

Jeyong Yoon

List of Publications by Year in descending order

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198
papers

16,973
citations

11651

70
h-index

15732

125
g-index

198
all docs

198
docs citations

198
times ranked

15909
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient bicarbonate removal and recovery of ammonium bicarbonate as CO ₂ utilization using flow-electrode capacitive deionization. <i>Chemical Engineering Journal</i> , 2022, 431, 134233.	12.7	16
2	Iridium-cobalt mixed oxide electrode for efficient chlorine evolution in dilute chloride solutions. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 108, 514-521.	5.8	9
3	Electrode design and performance of flow-type electrochemical lithium recovery (ELR) systems. <i>Desalination</i> , 2022, 532, 115732.	8.2	4
4	Improvement in the desalination performance of membrane capacitive deionization with a bipolar electrode via an energy recovery process. <i>Chemical Engineering Journal</i> , 2022, 439, 135603.	12.7	9
5	Electrochemical Regeneration of Free Chlorine Treated Nickel Oxide Catalysts for Oxidation of Aqueous Pollutants. <i>Catalysis Today</i> , 2021, 375, 514-521.	4.4	6
6	Selective fluoride removal in capacitive deionization by reduced graphene oxide/hydroxyapatite composite electrode. <i>Journal of Colloid and Interface Science</i> , 2021, 581, 396-402.	9.4	50
7	Performance analysis of hydrated Zr(IV) oxide nanoparticle-impregnated anion exchange resin for selective phosphate removal. <i>Journal of Colloid and Interface Science</i> , 2021, 586, 741-747.	9.4	25
8	Nafion-coated Prussian blue electrodes to enhance the stability and efficiency of battery desalination system. <i>Desalination</i> , 2021, 500, 114778.	8.2	18
9	Electrochemical recovery of LiOH from used CO ₂ adsorbents. <i>Catalysis Today</i> , 2021, 359, 83-89.	4.4	9
10	Recent advances in ion selectivity with capacitive deionization. <i>Energy and Environmental Science</i> , 2021, 14, 1095-1120.	30.8	226
11	Effects of chloride and other anions on electrochemical chlorine evolution over self-doped TiO ₂ nanotube array. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 756-762.	2.7	0
12	Descriptive Role of Pt/PtO _x Ratio on the Selective Chlorine Evolution Reaction under Polarity Reversal as Studied by Scanning Electrochemical Microscopy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 34093-34101.	8.0	13
13	Ir _{0.11} Fe _{0.25} O _{0.64} as a highly efficient electrode for electrochlorination in dilute chloride solutions. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 102, 155-162.	5.8	9
14	Parametric study of multichannel desalination battery for low-energy electrochemical deionization of brackish water. <i>Desalination</i> , 2021, 515, 115188.	8.2	8
15	High chlorine evolution performance of electrochemically reduced TiO ₂ nanotube array coated with a thin RuO ₂ layer by the self-synthetic method. <i>RSC Advances</i> , 2021, 11, 12107-12116.	3.6	4
16	New method for electrochemical ion separation (EIONS) for chloride/nitrate separation using Ag/AgCl electrodes with a cation exchange membrane. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106876.	6.7	6
17	Pilot-scale demonstration of an electrochemical system for lithium recovery from the desalination concentrate. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 290-295.	2.4	19
18	Selective phosphate removal using layered double hydroxide/reduced graphene oxide (LDH/rGO) composite electrode in capacitive deionization. <i>Journal of Colloid and Interface Science</i> , 2020, 564, 1-7.	9.4	68

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19	Rapid Inversion of Surface Charges in Heteroatom-Doped Porous Carbon: A Route to Robust Electrochemical Desalination. <i>Advanced Functional Materials</i> , 2020, 30, 1909387.	14.9	38
20	High performance electrochemical saline water desalination using silver and silver-chloride electrodes. <i>Desalination</i> , 2020, 476, 114216.	8.2	57
21	Short Review: Timeline of the Electrochemical Lithium Recovery System Using the Spinel LiMn ₂ O ₄ as a Positive Electrode. <i>Energies</i> , 2020, 13, 6235.	3.1	25
22	Application of a Flow-Type Electrochemical Lithium Recovery System with δ -MnO ₂ /LiMn ₂ O ₄ : Experiment and Simulation. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 9622-9631.	6.7	27
23	Evaluation of long-term stability in capacitive deionization using activated carbon electrodes coated with ion exchange polymers. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 1199-1205.	2.7	8
24	Understanding the Behaviors of δ -MnO ₂ in Electrochemical Lithium Recovery: Key Limiting Factors and a Route to the Enhanced Performance. <i>Environmental Science & Technology</i> , 2020, 54, 9044-9051.	10.0	32
25	Capacitive Deionization: Rapid Inversion of Surface Charges in Heteroatom-Doped Porous Carbon: A Route to Robust Electrochemical Desalination (<i>Adv. Funct. Mater.</i> 9/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070054.	14.9	0
26	Enhancing the Desalination Performance of Capacitive Deionization Using a Layered Double Hydroxide Coated Activated Carbon Electrode. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 403.	2.5	10
27	Performance analysis of the multi-channel membrane capacitive deionization with porous carbon electrode stacks. <i>Desalination</i> , 2020, 479, 114315.	8.2	29
28	Charge-transfer materials for electrochemical water desalination, ion separation and the recovery of elements. <i>Nature Reviews Materials</i> , 2020, 5, 517-538.	48.7	360
29	Short Review of Multichannel Membrane Capacitive Deionization: Principle, Current Status, and Future Prospect. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 683.	2.5	33
30	A short review on electrochemically self-doped TiO ₂ nanotube arrays: Synthesis and applications. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 1753-1766.	2.7	20
31	Novel Reuse Strategy in Flow-Electrode Capacitive Deionization with Switch Cycle Operation To Enhance Desalination Performance. <i>Environmental Science and Technology Letters</i> , 2019, 6, 739-744.	8.7	15
32	High-Desalination Performance via Redox Couple Reaction in the Multichannel Capacitive Deionization System. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 16182-16189.	6.7	67
33	Enhancement in Desalination Performance of Battery Electrodes via Improved Mass Transport Using a Multichannel Flow System. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 36580-36588.	8.0	30
34	Rapid and selective lithium recovery from desalination brine using an electrochemical system. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 667-676.	3.5	53
35	A surface-modified EDTA-reduced graphene oxide membrane for nanofiltration and anti-biofouling prepared by plasma post-treatment. <i>Environmental Science: Nano</i> , 2019, 6, 2292-2298.	4.3	17
36	Effects of characteristics of cation exchange membrane on desalination performance of membrane capacitive deionization. <i>Desalination</i> , 2019, 458, 116-121.	8.2	23

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37	Enhanced selective removal of arsenic(V) using a hybrid nanoscale zirconium molybdate embedded anion exchange resin. <i>Environmental Science and Pollution Research</i> , 2019, 26, 37046-37053.	5.3	13
38	Effect of Hydrophilicity of Activated Carbon Electrodes on Desalination Performance in Membrane Capacitive Deionization. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 5055.	2.5	18
39	Review of concepts and applications of electrochemical ion separation (EIONS) process. <i>Separation and Purification Technology</i> , 2019, 215, 190-207.	7.9	81
40	Development of nanoscale zirconium molybdate embedded anion exchange resin for selective removal of phosphate. <i>Water Research</i> , 2018, 134, 22-31.	11.3	96
41	Hybrid Electrochemical Desalination System Combined with an Oxidation Process. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 1620-1626.	6.7	34
42	Electrochemical sodium ion impurity removal system for producing high purity KCl. <i>Hydrometallurgy</i> , 2018, 175, 354-358.	4.3	22
43	Temporal and spatial distribution of pH in flow-mode capacitive deionization and membrane capacitive deionization. <i>Desalination</i> , 2018, 439, 188-195.	8.2	62
44	Electrochemical Lithium Recovery with a LiMn_2O_4 â€Zinc Battery System using Zinc as a Negative Electrode. <i>Energy Technology</i> , 2018, 6, 340-344.	3.8	83
45	Electrochemical lithium recovery and organic pollutant removal from industrial wastewater of a battery recycling plant. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 175-182.	2.4	60
46	Tailoring the porosity of MOF-derived N-doped carbon electrocatalysts for highly efficient solar energy conversion. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20170-20183.	10.3	25
47	RuO_2 coated blue TiO_2 nanotube array (blue TNA- RuO_2) as an effective anode material in electrochemical chlorine generation. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 66, 478-483.	5.8	28
48	Electrochemical Peroxodisulfate (PDS) Generation on a Self-Doped TiO_2 Nanotube Array Electrode. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 11465-11471.	3.7	23
49	Rocking-Chair Capacitive Deionization for Continuous Brackish Water Desalination. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 10815-10822.	6.7	72
50	Battery Electrode Materials with Omnivalent Cation Storage for Fast and Chargeâ€Efficient Ion Removal of Asymmetric Capacitive Deionization. <i>Advanced Functional Materials</i> , 2018, 28, 1802665.	14.9	117
51	Extraction of Salinityâ€Gradient Energy by a Hybrid Capacitiveâ€Mixing System. <i>ChemSusChem</i> , 2017, 10, 1600-1606.	6.8	24
52	Rocking Chair Desalination Battery Based on Prussian Blue Electrodes. <i>ACS Omega</i> , 2017, 2, 1653-1659.	3.5	216
53	Photoelectrochemical Degradation of Organic Compounds Coupled with Molecular Hydrogen Generation Using Electrochromic TiO_2 Nanotube Arrays. <i>Environmental Science & Technology</i> , 2017, 51, 6590-6598.	10.0	130
54	Hybrid capacitive deionization with Ag coated carbon composite electrode. <i>Desalination</i> , 2017, 422, 42-48.	8.2	110

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55	Effective adsorbent for arsenic removal: core/shell structural nano zero-valent iron/manganese oxide. <i>Environmental Science and Pollution Research</i> , 2017, 24, 24235-24242.	5.3	35
56	Electrochemical selective ion separation in capacitive deionization with sodium manganese oxide. <i>Journal of Colloid and Interface Science</i> , 2017, 506, 644-648.	9.4	99
57	Evaluation of carbon nanotube-polyamide thin-film nanocomposite reverse osmosis membrane: Surface properties, performance characteristics and fouling behavior. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 56, 327-334.	5.8	50
58	A Facile Surface Modification for Antifouling Reverse Osmosis Membranes Using Polydopamine under UV Irradiation. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 5756-5760.	3.7	44
59	Hydrogen peroxide generation in flow-mode capacitive deionization. <i>Journal of Electroanalytical Chemistry</i> , 2016, 776, 101-104.	3.8	60
60	Electrochemical softening using capacitive deionization (CDI) with zeolite modified carbon electrode (ZMCE). <i>Desalination and Water Treatment</i> , 2016, 57, 24682-24687.	1.0	5
61	Na ₂ FeP ₂ O ₇ as a Novel Material for Hybrid Capacitive Deionization. <i>Electrochimica Acta</i> , 2016, 203, 265-271.	5.2	217
62	Capacitive deionization with Ca-alginate coated-carbon electrode for hardness control. <i>Desalination</i> , 2016, 392, 46-53.	8.2	89
63	Effect of doping level of colored TiO ₂ nanotube arrays fabricated by electrochemical self-doping on electrochemical properties. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 14370-14375.	2.8	51
64	A high-performance and fouling resistant thin-film composite membrane prepared via coating TiO ₂ nanoparticles by sol-gel-derived spray method for PRO applications. <i>Desalination</i> , 2016, 397, 157-164.	8.2	38
65	Effect of Annealing Temperature on the Capacitive and Oxidant-generating Properties of an Electrochemically Reduced TiO ₂ Nanotube Array. <i>Electrochimica Acta</i> , 2016, 222, 1578-1584.	5.2	18
66	Direct energy recovery system for membrane capacitive deionization. <i>Desalination</i> , 2016, 398, 144-150.	8.2	98
67	Membrane of Functionalized Reduced Graphene Oxide Nanoplates with Angstrom-Level Channels. <i>Scientific Reports</i> , 2016, 6, 28052.	3.3	18
68	Autonomous Graphene Vessel for Suctioning and Storing Liquid Body of Spilled Oil. <i>Scientific Reports</i> , 2016, 6, 22339.	3.3	23
69	Identification of fouling materials in the microfiltration of seawater laden with marine algae. <i>Desalination and Water Treatment</i> , 2016, 57, 24542-24550.	1.0	1
70	Improvement of vertically aligned carbon nanotube membranes: desalination potential, flux enhancement and scale-up. <i>Desalination and Water Treatment</i> , 2016, 57, 28133-28140.	1.0	15
71	Forward osmosis as appropriate technology with starch-based draw agent. <i>Desalination and Water Treatment</i> , 2016, 57, 10129-10135.	1.0	3
72	Evaluation of thin-film nanocomposite RO membranes using TiO ₂ nanotubes and TiO ₂ nanoparticles: a comparative study. <i>Desalination and Water Treatment</i> , 2016, 57, 24674-24681.	1.0	6

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73	One pot synthesis of environmentally friendly lignin nanoparticles with compressed liquid carbon dioxide as an antisolvent. <i>Green Chemistry</i> , 2016, 18, 2129-2146.	9.0	149
74	Electrochemical ozone production in inert supporting electrolytes on a boron-doped diamond electrode with a solid polymer electrolyte electrolyzer. <i>Desalination and Water Treatment</i> , 2016, 57, 10152-10158.	1.0	15
75	Electrochemical Activity of a Blue Anatase TiO ₂ Nanotube Array for the Oxygen Evolution Reaction in Alkaline Water Electrolysis. <i>Journal of Electrochemical Science and Technology</i> , 2016, 7, 76-81.	2.2	5
76	Electrochemical Activity of a Blue Anatase TiO ₂ Nanotube Array for the Oxygen Evolution Reaction in Alkaline Water Electrolysis. <i>Journal of Electrochemical Science and Technology</i> , 2016, 7, 76-81.	2.2	1
77	Polyphenol/Fe ^{III} Complex Coated Membranes Having Multifunctional Properties Prepared by a One-Step Fast Assembly. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500298.	3.7	102
78	The Effect of Preparation Parameters in Thermal Decomposition of Ruthenium Dioxide Electrodes on Chlorine Electro-catalytic Activity. <i>Bulletin of the Korean Chemical Society</i> , 2015, 36, 1411-1417.	1.9	5
79	Lithium recovery from brine using a MnO ₂ /activated carbon hybrid supercapacitor system. <i>Chemosphere</i> , 2015, 125, 50-56.	8.2	154
80	Oscillational motion properties of bacteria and polystyrene particles on a positively polarized substrate surface. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 134, 240-246.	5.0	2
81	A carbon nanotube wall membrane for water treatment. <i>Nature Communications</i> , 2015, 6, 7109.	12.8	178
82	Water desalination via capacitive deionization: what is it and what can we expect from it?. <i>Energy and Environmental Science</i> , 2015, 8, 2296-2319.	30.8	1,273
83	Capacitive and Oxidant Generating Properties of Black-Colored TiO ₂ Nanotube Array Fabricated by Electrochemical Self-Doping. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 7486-7491.	8.0	98
84	CDI Ragone plot as a functional tool to evaluate desalination performance in capacitive deionization. <i>RSC Advances</i> , 2015, 5, 1456-1461.	3.6	219
85	Physicochemical properties of RuO ₂ and IrO ₂ electrodes affecting chlorine evolutions. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 21, 400-404.	5.8	59
86	N-chlorosuccinimide as a novel agent for biofouling control in the polyamide reverse osmosis membrane process. <i>Desalination</i> , 2015, 357, 1-7.	8.2	9
87	Enhanced charge efficiency and reduced energy use in capacitive deionization by increasing the discharge voltage. <i>Journal of Colloid and Interface Science</i> , 2015, 446, 317-326.	9.4	184
88	A Review of Chlorine Evolution Mechanism on Dimensionally Stable Anode (DSA [®]). <i>Korean Chemical Engineering Research</i> , 2015, 53, 531-539.	0.2	19
89	TiO ₂ sol-gel spray method for carbon electrode fabrication to enhance desalination efficiency of capacitive deionization. <i>Desalination</i> , 2014, 342, 70-74.	8.2	106
90	Biocompatible Ag nanoparticle-embedded poly(2-hydroxyethyl methacrylate) derivative films with bacterial adhesion-resistant and antibacterial properties. <i>Macromolecular Research</i> , 2014, 22, 337-343.	2.4	8

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91	High performance and antifouling vertically aligned carbon nanotube membrane for water purification. <i>Journal of Membrane Science</i> , 2014, 460, 171-177.	8.2	142
92	Fouling and rejection behavior of carbon nanotube membranes. <i>Desalination</i> , 2014, 343, 180-186.	8.2	34
93	The improvement of antibiofouling properties of a reverse osmosis membrane by oxidized CNTs. <i>RSC Advances</i> , 2014, 4, 32802.	3.6	74
94	Blue TiO ₂ Nanotube Array as an Oxidant Generating Novel Anode Material Fabricated by Simple Cathodic Polarization. <i>Electrochimica Acta</i> , 2014, 141, 113-119.	5.2	98
95	Comparison of salt adsorption capacity and energy consumption between constant current and constant voltage operation in capacitive deionization. <i>Desalination</i> , 2014, 352, 52-57.	8.2	116
96	Hybrid capacitive deionization to enhance the desalination performance of capacitive techniques. <i>Energy and Environmental Science</i> , 2014, 7, 3683-3689.	30.8	517
97	Potential Sweep Method to Evaluate Rate Capability in Capacitive Deionization. <i>Electrochimica Acta</i> , 2014, 139, 374-380.	5.2	20
98	Electroconductive Feed Spacer as a Tool for Biofouling Control in a Membrane System for Water Treatment. <i>Environmental Science and Technology Letters</i> , 2014, 1, 179-184.	8.7	37
99	Solvent evaporation mediated preparation of hierarchically porous metal organic framework-derived carbon with controllable and accessible large-scale porosity. <i>Carbon</i> , 2014, 71, 294-302.	10.3	77
100	High-Performance Reverse Osmosis CNT/Polyamide Nanocomposite Membrane by Controlled Interfacial Interactions. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 2819-2829.	8.0	261
101	Biofouling occurrence process and its control in the forward osmosis. <i>Desalination</i> , 2013, 325, 30-36.	8.2	101
102	Experimental analysis of transport characteristics for vertically aligned carbon nanotube membranes. <i>Desalination and Water Treatment</i> , 2013, 51, 5349-5354.	1.0	4
103	Relationship between capacitance of activated carbon composite electrodes measured at a low electrolyte concentration and their desalination performance in capacitive deionization. <i>Journal of Electroanalytical Chemistry</i> , 2013, 704, 169-174.	3.8	74
104	Facile detection of photogenerated reactive oxygen species in TiO ₂ nanoparticles suspension using colorimetric probe-assisted spectrometric method. <i>Chemosphere</i> , 2013, 93, 2011-2015.	8.2	26
105	Effect of valence band energy on the photocatalytic performance of N-doped TiO ₂ for the production of O ₂ via the oxidation of water by visible light. <i>Journal of Molecular Catalysis A</i> , 2013, 378, 221-226.	4.8	22
106	High yield hydrogen peroxide production in a solid polymer electrolyte electrolyzer with a carbon fiber coated mesh substrate. <i>Electrochemistry Communications</i> , 2013, 30, 95-98.	4.7	22
107	Removal characteristics of engineered nanoparticles by activated sludge. <i>Chemosphere</i> , 2013, 92, 524-528.	8.2	83
108	Highly selective lithium recovery from brine using a MnO_2/Ag battery. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 7690.	2.8	164

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109	Design and operating parameters affecting an electrochlorination system. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 215-219.	5.8	30
110	Biofilm-inactivating activity of silver nanoparticles: A comparison with silver ions. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 614-619.	5.8	72
111	New disinfectant to control biofouling of polyamide reverse osmosis membrane. <i>Journal of Membrane Science</i> , 2013, 427, 30-36.	8.2	30
112	Application of an electrochemical chlorine-generation system combined with solar energy as appropriate technology for water disinfection. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2013, 107, 124-128.	1.8	5
113	Measuring hydrophilicity of RO membranes by contact angles via sessile drop and captive bubble method: A comparative study. <i>Desalination</i> , 2012, 303, 23-28.	8.2	132
114	Feasibility of supercritical CO ₂ treatment for controlling biofouling in the reverse osmosis process. <i>Biofouling</i> , 2012, 28, 627-633.	2.2	6
115	Role of Reactive Oxygen Species in <i>Escherichia coli</i> Inactivation by Cupric Ion. <i>Environmental Science & Technology</i> , 2012, 46, 11299-11304.	10.0	72
116	Rapid bacterial detection with an interdigitated array electrode by electrochemical impedance spectroscopy. <i>Electrochimica Acta</i> , 2012, 82, 126-131.	5.2	62
117	Carbon nanotube-based membranes: Fabrication and application to desalination. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 1551-1559.	5.8	165
118	Bactericidal effect of supercritical N ₂ O on <i>Staphylococcus aureus</i> and <i>Escherichia coli</i> . <i>International Journal of Food Microbiology</i> , 2012, 153, 15-20.	4.7	4
119	Silver-perfluorodecanethiolate complexes having superhydrophobic, antifouling, antibacterial properties. <i>Journal of Colloid and Interface Science</i> , 2012, 366, 64-69.	9.4	56
120	Cyclic voltammetry for monitoring bacterial attachment and biofilm formation. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 800-807.	5.8	54
121	Ovicidal activities of supercritical CO ₂ and N ₂ O on <i>Ascaris suum</i> eggs. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 504-508.	5.8	3
122	Prevention of <i>Pseudomonas aeruginosa</i> adhesion by electric currents. <i>Biofouling</i> , 2011, 27, 217-224.	2.2	37
123	Properties of Waterborne Polyurethane/CNT Nanocomposite Adhesives: Effect of Counteractions. <i>Journal of Adhesion Science and Technology</i> , 2011, 25, 1073-1086.	2.6	1
124	Bacterial Translational Motion on the Electrode Surface under Anodic Electric Field. <i>Environmental Science & Technology</i> , 2011, 45, 5769-5774.	10.0	30
125	Inactivation of <i>Pseudomonas aeruginosa</i> PA01 biofilms by hyperthermia using superparamagnetic nanoparticles. <i>Journal of Microbiological Methods</i> , 2011, 84, 41-45.	1.6	101
126	Influence of attached bacteria and biofilm on double-layer capacitance during biofilm monitoring by electrochemical impedance spectroscopy. <i>Water Research</i> , 2011, 45, 4615-4622.	11.3	99

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127	Effect of surface properties of reverse osmosis membranes on biofouling occurrence under filtration conditions. <i>Journal of Membrane Science</i> , 2011, 382, 91-99.	8.2	71
128	Inactivation behavior of <i>Pseudomonas aeruginosa</i> by supercritical N ₂ O compared to supercritical CO ₂ . <i>International Journal of Food Microbiology</i> , 2011, 144, 372-378.	4.7	17
129	Inactivation of MS2 bacteriophage by streamer corona discharge in water. <i>Chemosphere</i> , 2011, 82, 1135-1140.	8.2	30
130	Synthesis and characterization of biocidal poly(oxyethylene)s having N-halamine side groups. <i>Macromolecular Research</i> , 2011, 19, 1227-1232.	2.4	11
131	Facile method of preparing silver-embedded polymer beads and their antibacterial effect. <i>Journal of Materials Science</i> , 2010, 45, 3106-3108.	3.7	11
132	Bacterial cytotoxicity of the silver nanoparticle related to physicochemical metrics and agglomeration properties. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 2154-2160.	4.3	113
133	Evaluation of surface properties of reverse osmosis membranes on the initial biofouling stages under no filtration condition. <i>Journal of Membrane Science</i> , 2010, 351, 112-122.	8.2	112
134	Inactivation of <i>Escherichia coli</i> by Nanoparticulate Zerovalent Iron and Ferrous Ion. <i>Applied and Environmental Microbiology</i> , 2010, 76, 7668-7670.	3.1	125
135	Inactivation of MS2 coliphage by Fenton's reagent. <i>Water Research</i> , 2010, 44, 2647-2653.	11.3	65
136	Influence of membrane surface properties on the behavior of initial bacterial adhesion and biofilm development onto nanofiltration membranes. <i>Biofouling</i> , 2010, 26, 313-321.	2.2	64
137	Assessment of zero-valent iron as a permeable reactive barrier for long-term removal of arsenic compounds from synthetic water. <i>Environmental Technology (United Kingdom)</i> , 2009, 30, 1425-1434.	2.2	27
138	Tolerance of dormant and active cells in <i>Pseudomonas aeruginosa</i> PAO1 biofilm to antimicrobial agents. <i>Journal of Antimicrobial Chemotherapy</i> , 2009, 63, 129-135.	3.0	97
139	Development of Inhibitors against TraR Quorum-Sensing System in <i>Agrobacterium tumefaciens</i> by Molecular Modeling of the Ligand-Receptor Interaction. <i>Molecules and Cells</i> , 2009, 28, 447-454.	2.6	19
140	Structural understanding of quorum-sensing inhibitors by molecular modeling study in <i>Pseudomonas aeruginosa</i> . <i>Applied Microbiology and Biotechnology</i> , 2009, 83, 1095-1103.	3.6	29
141	Inactivation of <i>Ascaris</i> eggs in soil by microwave treatment compared to UV and ozone treatment. <i>Chemosphere</i> , 2009, 77, 285-290.	8.2	29
142	The effect of electrode material on the generation of oxidants and microbial inactivation in the electrochemical disinfection processes. <i>Water Research</i> , 2009, 43, 895-901.	11.3	345
143	Silver-ion-mediated reactive oxygen species generation affecting bactericidal activity. <i>Water Research</i> , 2009, 43, 1027-1032.	11.3	483
144	Differential effect of chlorine on the oxidative stress generation in dormant and active cells within colony biofilm. <i>Water Research</i> , 2009, 43, 5252-5259.	11.3	18

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145	Inactivation of <i>Pseudomonas aeruginosa</i> biofilm by dense phase carbon dioxide. <i>Biofouling</i> , 2009, 25, 473-479.	2.2	22
146	Furanone derivatives as quorum-sensing antagonists of <i>Pseudomonas aeruginosa</i> . <i>Applied Microbiology and Biotechnology</i> , 2008, 80, 37-47.	3.6	101
147	Effect of electric currents on bacterial detachment and inactivation. <i>Biotechnology and Bioengineering</i> , 2008, 100, 379-386.	3.3	140
148	UV direct photolysis of 2,2'-azino-bis(3-ethylbenzothiazoline-6-sulfonate) (ABTS) in aqueous solution: Kinetics and mechanism. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 197, 232-238.	3.9	33
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