Eyal Kurzbaum

List of Publications by Year
in descending order

38	525	759055 12	713332 21
papers	citations	h-index	g-index

38	38	38	590
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Efficiency of phenol biodegradation by planktonic Pseudomonas pseudoalcaligenes (a constructed) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	5.3	48
3	The potential of phosphate removal from dairy wastewater and municipal wastewater effluents using a lanthanum-modified bentonite. Applied Clay Science, 2016, 123, 182-186.	2.6	34
4	Treatment of olive mill wastewater using ozonation followed by an encapsulated acclimated biomass. Journal of Environmental Chemical Engineering, 2018, 6, 5014-5023.	3.3	31
5	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
6	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
7	Biodegradation of the Endocrine-Disrupting Chemical 17Î±-Ethynylestradiol (EE2) by Rhodococcus zopfii and Pseudomonas putida Encapsulated in Small Bioreactor Platform (SBP) Capsules. Applied Sciences (Switzerland), 2020, 10, 336.	1.3	22
8	Small-bioreactor platform technology as a municipal wastewater additive treatment. Water Science and Technology, 2014, 69, 504-510.	1.2	18
9	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
10	Improvement of water quality using constructed wetland systems. Reviews on Environmental Health, 2012, 27, 59-64.	1.1	16
11	A New Acinetobacter Isolate Is an Extremely Efficient Biofilm-Formative Denitrifying Bacterium. Frontiers in Environmental Science, 2020, 8, .	1.5	16
12	The potential of autochthonous microbial culture encapsulation in a confined environment for phenol biodegradation. Environmental Science and Pollution Research, 2015, 22, 15179-15187.	2.7	15
13	Delayed fluorescence as a direct indicator of diurnal variation in quantum and radiant energy utilization efficiencies of phytoplankton. Photosynthetica, 2007, 45, 562-567.	0.9	14
14	Nitrate removal from a nitrate-rich reverse osmosis concentrate: Superior efficiency using the bioaugmentation of an Acinetobacter biofilm. Journal of Water Process Engineering, 2021, 44, 102425.	2.6	14
15	Controlling the seed bank of the invasive plant Acacia saligna: comparison of the efficacy of prescribed burning, soil solarization, and their combination. Biological Invasions, 2018, 20, 2875-2887.	1.2	13
16	A novel bioaugmentation treatment approach using a confined microbial environment: a case study in a Membrane Bioreactor wastewater treatment plant. Environmental Technology (United Kingdom), 2016, 37, 1582-1590.	1.2	12
17	Lanthanum-modified bentonite: potential for efficient removal of phosphates from fishpond effluents. Environmental Science and Pollution Research, 2017, 24, 15182-15186.	2.7	12
18	Phenol biodegradation by bacterial cultures encapsulated in 3D microfiltration-membrane capsules. Environmental Technology (United Kingdom), 2020, 41, 2875-2883.	1.2	12

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19	Advanced oxidation process UV-H2O2 combined with biological treatment for the removal and detoxification of phenol. Journal of Water Process Engineering, 2022, 48, 102923.	2.6	11
20	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
21	Efficient biodegradation of phenol at high concentrations by Acinetobacter biofilm at extremely short hydraulic retention times. Journal of Water Process Engineering, 2022, 47, 102781.	2.6	10
22	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
23	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
24	Small bioreactor platform capsules provide persistent digestive biomass for continuous bioreactors operated under short hydraulic retention times. Journal of Water Process Engineering, 2020, 37, 101516.	2.6	8
25	Alterations in delayed and direct phytoplankton fluorescence in response to the diurnal light cycle. Hydrobiologia, 2010, 639, 197-203.	1.0	7
26	Facilitated enumeration of the silicate bacterium Paenibacillus mucilaginosus comb. nov. (formerly) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 growth medium. Folia Microbiologica, 2018, 63, 401-404.	1.1	7
27	LP-UV-Nano MgO2 Pretreated Catalysis Followed by Small Bioreactor Platform Capsules Treatment for Superior Kinetic Degradation Performance of 17Î±-Ethynylestradiol. Materials, 2020, 13, 83.	1.3	7
28	Rainâ€based soil solarization for reducing the persistent seed banks of invasive plants in natural ecosystems â€“ Acacia saligna as a model. Pest Management Science, 2019, 75, 1933-1941.	1.7	6
29	Structural properties of a biotechnological capsule confined by a <scp>3Dâ€cellulose acetate</scp> membrane. Polymers for Advanced Technologies, 2021, 32, 681-689.	1.6	6
30	Chemical Decolorization of Textile Wastewater Via Advanced Oxidation Processes: Case Study of Key Parameters with Acid Blue 25. Water, Air, and Soil Pollution, 2021, 232, 1.	1.1	6
31	A Hydroponic System for Growing Gnotobiotic Vs. Sterile Plants to Study Phytoremediation Processes. International Journal of Phytoremediation, 2014, 16, 267-274.	1.7	4
32	Extracellular laccase production and phenolic degradation by an olive mill wastewater isolate. Grasas Y Aceites, 2018, 69, 231.	0.3	4
33	The Partial Contribution of Constructed Wetland Components (Roots, Gravel, Microorganisms) in the Removal of Phenols: A Mini Review. Water (Switzerland), 2022, 14, 626.	1.2	4
34	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
35	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	2
36	Preparing Xanthanâ€Chitosan Composites in Glycerol. ChemistrySelect, 2019, 4, 6451-6457.	0.7	2

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37	UV-LED Combined with Small Bioreactor Platform (SBP) for Degradation of 17Î±-Ethynylestradiol (EE2) at Very Short Hydraulic Retention Time. Materials, 2021, 14, 5960.	1.3	2
38	Diurnal changes in the delayed fluorescence response of an ambient light-excited green alga. Photosynthetica, 2019, 57, 40-46.	0.9	0