Nabil Zouari

List of Publications by Year
in descending order

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73	1,432	257101	395343
papers	citations	24 h-index	33 g-index

73	73	73	1150
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Isolation, differentiation and biodiversity of ureolytic bacteria of Qatari soil and their potential in microbially induced calcite precipitation (MICP) for soil stabilization. RSC Advances, 2018, 8, 5854-5863.	1.7	59
2	Study of the ÃŽÂ´-endotoxins produced by three recently isolated strains ofBacillus thuringiensis. FEMS Microbiology Letters, 1996, 145, 349-354.	0.7	56
3	Investigating the effect of temperature on calcium sulfate scaling of reverse osmosis membranes using FTIR, SEM-EDX and multivariate analysis. Science of the Total Environment, 2020, 703, 134726.	3.9	54
4	Title is missing!. Biotechnology Letters, 1999, 21, 771-775.	1.1	44
5	Removal of boron from water using adsorbents derived from waste tire rubber. Journal of Environmental Chemical Engineering, 2019, 7, 102948.	3.3	44
6	Bio self-healing concrete using MICP by an indigenous Bacillus cereus strain isolated from Qatari soil. Construction and Building Materials, 2022, 328, 126943.	3.2	41
7	Production and characterization of metalloproteases synthesized concomitantly with Î´-endotoxin by Bacillus thuringiensis subsp. kurstaki strain grown on gruel-based media. Enzyme and Microbial Technology, 1999, 25, 364-371.	1.6	40
8	Functionalization of reverse osmosis membrane with graphene oxide to reduce both membrane scaling and biofouling. Carbon, 2020, 166, 374-387.	5.4	40
9	Environmental Burkholderia cepacia Strain Cs5 Acting by Two Analogous Alkyl-Quinolones and a Didecyl-Phthalate Against a Broad Spectrum of Phytopathogens Fungi. Current Microbiology, 2011, 62, 1490-1495.	1.0	39
10	Evaluating the effect of antiscalants on membrane biofouling using FTIR and multivariate analysis. Biofouling, 2019, 35, 1-14.	0.8	38
11	Microbially induced calcite precipitation in calcareous soils by endogenous Bacillus cereus, at high pH and harsh weather. Journal of Environmental Management, 2020, 257, 109965.	3.8	37
12	Decolorization of olive oil mill effluent by physical and chemical treatment prior to anaerobic digestion. Journal of Chemical Technology and Biotechnology, 1998, 73, 297-303.	1.6	36
13	Evidence of a Role for Aerobic Bacteria in High Magnesium Carbonate Formation in the Evaporitic Environment of Dohat Faishakh Sabkha in Qatar. Frontiers in Environmental Science, 2017, 5, .	1.5	36
14	Production of delta-endotoxins by Bacillus thuringiensis strains exhibiting various insecticidal activities towards lepidoptera and diptera in gruel and fish meal media. Enzyme and Microbial Technology, 2002, 31, 411-418.	1.6	35
15	Improvement of Bacillus thuringiensis delta-endotoxin production by overcome of carbon catabolite repression through adequate control of aeration. Enzyme and Microbial Technology, 2007, 40, 614-622.	1.6	35
16	Functionalization of reverse osmosis membrane with graphene oxide and polyacrylic acid to control biofouling and mineral scaling. Science of the Total Environment, 2020, 736, 139500.	3.9	35
17	Production of delta-endotoxin byBacillus thuringiensis subspkurstaki and overcoming of catabolite repression by using highly concentrated gruel and fish meal media in 2- and 20-dm3 fermenters. Journal of Chemical Technology and Biotechnology, 2002, 77, 877-882.	1.6	34
18	Characterization of the extracellular polymeric substances (EPS) of Virgibacillus strains capable of mediating the formation of high Mg-calcite and protodolomite. Marine Chemistry, 2019, 216, 103693.	0.9	31

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19	Purification and properties of two laccase isoenzymes produced byBotrytis cinerea. Applied Biochemistry and Biotechnology, 1987, 15, 213-225.	1.4	27
20	Integration of a Recombinant Chitinase into Bacillus thuringiensis Parasporal Insecticidal Crystal. Current Microbiology, 2011, 62, 281-288.	1.0	27
21	Isolation, identification and biodiversity of antiscalant degrading seawater bacteria using MALDI-TOF-MS and multivariate analysis. Science of the Total Environment, 2019, 656, 910-920.	3.9	27
22	Involvement of oxidative stress and growth at high cell density in the viable but nonculturable state of Photorhabdus temperata ssp. temperata strain K122. Process Biochemistry, 2010, 45, 706-713.	1.8	26
23	Title is missing!. Biotechnology Letters, 1997, 19, 825-829.	1.1	25
24	Source identification of beached oil at Al Zubarah, Northwestern Qatar. Journal of Petroleum Science and Engineering, 2017, 149, 107-113.	2.1	24
25	Effect of concentration of calcium and sulfate ions on gypsum scaling of reverse osmosis membrane, mechanistic study. Journal of Materials Research and Technology, 2020, 9, 13459-13473.	2.6	24
26	The use of principle component analysis and MALDI-TOF MS for the differentiation of mineral forming Virgibacillus and Bacillus species isolated from sabkhas. RSC Advances, 2020, 10, 14606-14616.	1.7	23
27	Removal of Toxic Elements and Microbial Contaminants from Groundwater Using Low-Cost Treatment Options. Current Pollution Reports, 2021, 7, 300-324.	3.1	23
28	Identification and overcome of limitations of weathered oil hydrocarbons bioremediation by an adapted Bacillus sorensis strain. Journal of Environmental Management, 2019, 250, 109455.	3.8	22
29	Considering the Specific Impact of Harsh Conditions and Oil Weathering on Diversity, Adaptation, and Activity of Hydrocarbon-Degrading Bacteria in Strategies of Bioremediation of Harsh Oily-Polluted Soils. BioMed Research International, 2017, 2017, 1-11.	0.9	21
30	A MALDI-TOF study of bio-remediation in highly weathered oil contaminated soils. Journal of Petroleum Science and Engineering, 2018, 168, 569-576.	2.1	20
31	Use of DPSIR Framework to Analyze Water Resources in Qatar and Overview of Reverse Osmosis as an Environment Friendly Technology. Environmental Progress and Sustainable Energy, 2019, 38, 13081.	1.3	20
32	An integrated approach for produced water treatment using microemulsions modified activated carbon. Journal of Water Process Engineering, 2019, 31, 100830.	2.6	19
33	Adsorptive batch and biological treatments of produced water: Recent progresses, challenges, and potentials. Journal of Environmental Management, 2021, 290, 112527.	3.8	18
34	MEDIUM OPTIMIZATION OF ANTIFUNGAL ACTIVITY PRODUCTION BYBacillus amyloliquefaciensUSING STATISTICAL EXPERIMENTAL DESIGN. Preparative Biochemistry and Biotechnology, 2012, 42, 267-278.	1.0	17
35	Correlation between synthesis variation of 2-alkylquinolones and the antifungal activity of a Burkholderia cepacia strain collection. World Journal of Microbiology and Biotechnology, 2012, 28, 275-281.	1.7	16
36	Multiple linear regression and artificial neural networks for delta-endotoxin and protease yields modelling of Bacillus thuringiensis. 3 Biotech, 2017, 7, 187.	1.1	16

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37	Antifungal activities of an endophytic Pseudomonas fluorescens strain Pf1TZ harbouring genes from pyoluteorin and phenazine clusters. Biotechnology Letters, 2010, 32, 1279-1285.	1.1	15
38	Influence of temperature, salinity and Mg2+:Ca2+ ratio on microbially-mediated formation of Mg-rich carbonates by Virgibacillus strains isolated from a sabkha environment. Scientific Reports, 2019, 9, 19633.	1.6	15
39	Potential for native hydrocarbon-degrading bacteria to remediate highly weathered oil-polluted soils in Qatar through self-purification and bioaugmentation in biopiles. Biotechnology Reports (Amsterdam, Netherlands), 2020, 28, e00543.	2.1	15
40	Potential of Photorhabdus temperata K122 bioinsecticide in protecting wheat flour against Ephestia kuehniella. Journal of Stored Products Research, 2013, 53, 61-66.	1.2	14
41	Improvement of Bacillus thuringiensis bioinsecticide production by sporeless and sporulating strains using response surface methodology. New Biotechnology, 2011, 28, 705-712.	2.4	13
42	Combinatorial effect of mutagenesis and medium component optimization on Bacillus amyloliquefaciens antifungal activity and efficacy in eradicating Botrytis cinerea. Microbiological Research, 2017, 197, 29-38.	2.5	13
43	Medium optimization for biomass production and morphology variance overcome of Photorhabdus temperata ssp. temperata strain K122. Process Biochemistry, 2008, 43, 1338-1344.	1.8	12
44	Investigating the microorganisms-calcium sulfate interaction in reverse osmosis systems using SEM-EDX technique. Journal of Environmental Chemical Engineering, 2020, 8, 103963.	3.3	12
45	Improvement ofBacillus thuringiensisBacteriocin Production Through Culture Conditions Optimization. Preparative Biochemistry and Biotechnology, 2009, 39, 400-412.	1.0	11
46	Overproduction of Delta-Endotoxins by Sporeless Bacillus thuringiensis Mutants Obtained by Nitrous Acid Mutagenesis. Current Microbiology, 2011, 62, 38-43.	1.0	11
47	Correlation between delta-endotoxin and proteolytic activities produced byBacillus thuringiensisvar.kurstakigrowing in an economic production medium. Biocontrol Science and Technology, 2013, 23, 756-767.	0.5	11
48	Interaction of seawater microorganisms with scalants and antiscalants in reverse osmosis systems. Desalination, 2020, 487, 114480.	4.0	11
49	Statistical Analysis of Cultural Parameters Influencing Delta-Endotoxins and Proteases Productions by Bacillus thuringiensis kurstaki. Arabian Journal for Science and Engineering, 2016, 41, 1-8.	1.1	10
50	Evidencing the diversity and needs of adjustment of the nutritional requirements for hydrocarbon-degrading activity of Pseudomonas aeruginosa adapted to harsh conditions using 2ⁿfull factorial design. RSC Advances, 2017, 7, 45920-45931.	1.7	10
51	Investigating the simultaneous removal of hydrocarbons and heavy metals by highly adapted Bacillus and Pseudomonas strains. Environmental Technology and Innovation, 2022, 27, 102513.	3.0	10
52	Laccase electrode for the continuous-flow determination of phenolic compounds. Biotechnology Letters, 1994, 8, 503.	0.5	9
53	Treatment of Sand Using Microbial-Induced Carbonate Precipitation (MICP) for Wind Erosion Application. , 2018, , .		9
54	Evaluation by MALDI-TOF MS and PCA of the diversity of biosurfactants and their producing bacteria, as adaption to weathered oil components. Biotechnology Reports (Amsterdam, Netherlands), 2021, 31, e00660.	2.1	9

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55	Date pits based nanomaterials for thermal insulation applicationsâ€"Towards energy efficient buildings in Qatar. PLoS ONE, 2021, 16, e0247608.	1.1	8
56	Isolation and Identification of Organics-Degrading Bacteria From Gas-to-Liquid Process Water. Frontiers in Bioengineering and Biotechnology, 2020, 8, 603305.	2.0	8
57	Systematic laboratory approach to produce Mg-rich carbonates at low temperature. RSC Advances, 2021, 11, 37029-37039.	1.7	8
58	Overcoming the production limitations of Photorhabdus temperata ssp. temperata strain K122 bioinsecticides in low-cost medium. Bioprocess and Biosystems Engineering, 2011, 34, 1039-1047.	1.7	7
59	Improvement of Bioinsecticides Production by Sporeless Bacillus thuringiensis Strains in Response to Various Stresses in Low Cost Medium. Current Microbiology, 2011, 62, 1467-1477.	1.0	7
60	Study of bacterial interactions in reconstituted hydrocarbon-degrading bacterial consortia from a local collection, for the bioremediation of weathered oily-soils. Biotechnology Reports (Amsterdam,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5		7
61	Isolation, Screening and Activity of Hydrocarbon-Degrading Bacteria from Harsh Soils. , 0, , .		7
62	A continuous-flow method for the rapid determination of sanitary quality of grape must at industrial scales. Journal of Chemical Technology and Biotechnology, 2007, 41, 243-248.	1.6	6
63	Overcome of Carbon Catabolite Repression of Bioinsecticides Production by Sporeless Bacillus thuringiensis through Adequate Fermentation Technology. Biotechnology Research International, 2014, 2014, 1-8.	1.4	6
64	Continuous-flow estimation of laccase activity in rotten grape juice by a computerized electrode. Journal of Chemical Technology and Biotechnology, 2007, 40, 195-201.	1.6	5
65	Application of statistical experimental design for optimisation of bioinsecticides production by sporeless Bacillus thuringiensis strain on cheap medium. Brazilian Journal of Microbiology, 2013, 44, 927-933.	0.8	5
66	Improvement of Bacillus thuringiensis Î´-endotoxins Synthesis Yields Through Acquisition of Erythromycin Resistance. Biotechnology Letters, 2006, 28, 315-319.	1.1	4
67	Improvement of Photorhabdus temperata strain K122 bioinsecticide production by batch and fed-batch fermentations optimization. Bioprocess and Biosystems Engineering, 2012, 35, 1505-1513.	1.7	4
68	Immobilization of heavy metals by microbially induced carbonate precipitation using hydrocarbon-degrading ureolytic bacteria. Biotechnology Reports (Amsterdam, Netherlands), 2022, 35, e00747.	2.1	4
69	Minimizing Wind Erosion Using Microbial Induced Carbonate Precipitation. , 2019, , .		3
70	Optimization of bioinsecticides overproduction by Bacillus thuringiensis subsp. kurstaki using linear regression. Polish Journal of Microbiology, 2013, 62, 287-93.	0.6	2
71	Improvement of Photorhabdus temperata bioinsecticides production in lowâ€cost media through adequate fermentation technology. Biotechnology Progress, 2012, 28, 1278-1284.	1.3	1
72	Nutritional Requirements to Improve Delta-Endotoxins Production of Bacillus thuringiensis var. kurstaki Using Mixed Designs Modelling. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2017, 87, 307-314.	0.4	1

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73	Bayesian network and response surface methodology for prediction and improvement of bacterial metabolite production. , 2015, , .		0