Nabil Zouari

List of Publications by Year in Descending Order

71 papers	906 citations	19 h-index	24 g-index
73 ext. papers	1,123 ext. citations	4.5 avg, IF	4.72 L-index

#	Paper	IF	Citations
71	Bio self-healing concrete using MICP by an indigenous Bacillus cereus strain isolated from Qatari soil. *Construction and Building Materials*, **2022**, 328, 126943	6.7	1
70	Investigating the simultaneous removal of hydrocarbons and heavy metals by highly adapted Bacillus and Pseudomonas strains. *Environmental Technology and Innovation*, **2022**, 27, 102513	7	1
69	Systematic laboratory approach to produce Mg-rich carbonates at low temperature.. *RSC Advances*, **2021**, 11, 37029-37039	3.7	1
68	Study of bacterial interactions in reconstituted hydrocarbon-degrading bacterial consortia from a local collection, for the bioremediation of weathered oily-soils. *Biotechnology Reports (Amsterdam, Netherlands)*, **2021**, 29, e00598	5.3	2
67	Date pits based nanomaterials for thermal insulation applications-Towards energy efficient buildings in Qatar. *PLoS ONE*, **2021**, 16, e0247608	3.7	2
66	Removal of Toxic Elements and Microbial Contaminants from Groundwater Using Low-Cost Treatment Options. *Current Pollution Reports*, **2021**, 7, 300-324	7.6	8
65	Adsorptive batch and biological treatments of produced water: Recent progresses, challenges, and potentials. *Journal of Environmental Management*, **2021**, 290, 112527	7.9	7
64	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	5.3	3
63	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	5.5	9
62	The use of principle component analysis and MALDI-TOF MS for the differentiation of mineral forming and species isolated from sabkhas.. *RSC Advances*, **2020**, 10, 14606-14616	3.7	11
61	Investigating the microorganisms-calcium sulfate interaction in reverse osmosis systems using SEM-EDX technique. *Journal of Environmental Chemical Engineering*, **2020**, 8, 103963	6.8	6
60	Functionalization of reverse osmosis membrane with graphene oxide to reduce both membrane scaling and biofouling. *Carbon*, **2020**, 166, 374-387	10.4	15
59	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	10.2	22
58	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	10.2	27
57	Microbially induced calcite precipitation in calcareous soils by endogenous Bacillus cereus, at high pH and harsh weather. *Journal of Environmental Management*, **2020**, 257, 109965	7.9	15
56	Interaction of seawater microorganisms with scalants and antiscalants in reverse osmosis systems. *Desalination*, **2020**, 487, 114480	10.3	4
55	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	5.3	6

54	Isolation and Identification of Organics-Degrading Bacteria From Gas-to-Liquid Process Water. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 603305	5.8	2
53	Identification and overcome of limitations of weathered oil hydrocarbons bioremediation by an adapted Bacillus sorensis strain. *Journal of Environmental Management*, **2019**, 250, 109455	7.9	13
52	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	3.7	14
51	Evaluating the effect of antiscalants on membrane biofouling using FTIR and multivariate analysis. *Biofouling*, **2019**, 35, 1-14	3.3	25
50	An integrated approach for produced water treatment using microemulsions modified activated carbon. *Journal of Water Process Engineering*, **2019**, 31, 100830	6.7	11
49	Minimizing Wind Erosion Using Microbial Induced Carbonate Precipitation **2019**,		3
48	Removal of boron from water using adsorbents derived from waste tire rubber. *Journal of Environmental Chemical Engineering*, **2019**, 7, 102948	6.8	24
47	Influence of temperature, salinity and Mg:Ca ratio on microbially-mediated formation of Mg-rich carbonates by Virgibacillus strains isolated from a sabkha environment. *Scientific Reports*, **2019**, 9, 19633	4.9	7
46	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	10.2	17
45	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	2.5	9
44	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	3.7	32
43	A MALDI-TOF study of bio-remediation in highly weathered oil contaminated soils. *Journal of Petroleum Science and Engineering*, **2018**, 168, 569-576	4.4	14
42	Treatment of Sand Using Microbial-Induced Carbonate Precipitation (MICP) for Wind Erosion Application **2018**,		6
41	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	1.4	1
40	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	5.3	11
39	Evidencing the diversity and needs of adjustment of the nutritional requirements for hydrocarbon-degrading activity of Pseudomonas aeruginosa adapted to harsh conditions using 2n full factorial design. *RSC Advances*, **2017**, 7, 45920-45931	3.7	6
38	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, 8649350	3	16
37	Multiple linear regression and artificial neural networks for delta-endotoxin and protease yields modelling of Bacillus thuringiensis. *3 Biotech*, **2017**, 7, 187	2.8	13

36	Source identification of beached oil at Al Zubarah, Northwestern Qatar. *Journal of Petroleum Science and Engineering*, **2017**, 149, 107-113	4.4	21
35	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,	4.8	22
34	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		10
33	Overcome of Carbon Catabolite Repression of Bioinsecticides Production by Sporeless Bacillus thuringiensis through Adequate Fermentation Technology. *Biotechnology Research International*, **2014**, 2014, 698587		5
32	Correlation between delta-endotoxin and proteolytic activities produced by Bacillus thuringiensis var. kurstaki growing in an economic production medium. *Biocontrol Science and Technology*, **2013**, 23, 756-767	1.7	11
31	Potential of Photorhabdus temperata K122 bioinsecticide in protecting wheat flour against Ephestia kuehniella. *Journal of Stored Products Research*, **2013**, 53, 61-66	2.5	11
30	Application of statistical experimental design for optimisation of bioinsecticides production by sporeless Bacillus thuringiensis strain on cheap medium. *Brazilian Journal of Microbiology*, **2013**, 44, 927-33	2.2	5
29	Optimization of bioinsecticides overproduction by Bacillus thuringiensis subsp. kurstaki using linear regression. *Polish Journal of Microbiology*, **2013**, 62, 287-93	1.8	1
28	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, 275-81	4.4	11
27	Improvement of Photorhabdus temperata strain K122 bioinsecticide production by batch and fed-batch fermentations optimization. *Bioprocess and Biosystems Engineering*, **2012**, 35, 1505-13	3.7	3
26	Improvement of Photorhabdus temperata bioinsecticides production in low-cost media through adequate fermentation technology. *Biotechnology Progress*, **2012**, 28, 1278-84	2.8	1
25	Medium optimization of antifungal activity production by Bacillus amyloliquefaciens using statistical experimental design. *Preparative Biochemistry and Biotechnology*, **2012**, 42, 267-78	2.4	12
24	Improvement of Bacillus thuringiensis bioinsecticide production by sporeless and sporulating strains using response surface methodology. *New Biotechnology*, **2011**, 28, 705-12	6.4	9
23	Overcoming the production limitations of Photorhabdus temperata ssp. temperata strain K122 bioinsecticides in low-cost medium. *Bioprocess and Biosystems Engineering*, **2011**, 34, 1039-47	3.7	6
22	Overproduction of delta-endotoxins by sporeless Bacillus thuringiensis mutants obtained by nitrous acid mutagenesis. *Current Microbiology*, **2011**, 62, 38-43	2.4	10
21	Integration of a recombinant chitinase into Bacillus thuringiensis parasporal insecticidal crystal. *Current Microbiology*, **2011**, 62, 281-8	2.4	23
20	Improvement of bioinsecticides production by sporeless Bacillus thuringiensis strains in response to various stresses in low cost medium. *Current Microbiology*, **2011**, 62, 1467-77	2.4	7
19	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, 1490-5	2.4	24

18	Antifungal activities of an endophytic Pseudomonas fluorescens strain Pf1TZ harbouring genes from pyoluteorin and phenazine clusters. *Biotechnology Letters*, **2010**, 32, 1279-85	3	12
17	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	4.8	23
16	Improvement of Bacillus thuringiensis bacteriocin production through culture conditions optimization. *Preparative Biochemistry and Biotechnology*, **2009**, 39, 400-12	2.4	9
15	Medium optimization for biomass production and morphology variance overcome of Photorhabdus temperata ssp. temperata strain K122. *Process Biochemistry*, **2008**, 43, 1338-1344	4.8	11
14	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	3.8	26
13	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	3.5	4
12	Continuous-flow estimation of laccase activity in rotten grape juice by a computerized electrode. *Journal of Chemical Technology and Biotechnology*, **2007**, 40, 195-201	3.5	4
11	Improvement of Bacillus thuringiensis delta-endotoxins synthesis yields through acquisition of erythromycin resistance. *Biotechnology Letters*, **2006**, 28, 315-9	3	3
10	Production of delta-endotoxin by Bacillus thuringiensis subsp kurstaki 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	3.5	28
9	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	3.8	29
8	Production and characterization of metalloproteases synthesized concomitantly with □-endotoxin by Bacillus thuringiensis subsp. kurstaki strain grown on gruel-based media. *Enzyme and Microbial Technology*, **1999**, 25, 364-371	3.8	31
7	Cloning and nucleotide sequence of a novel cry1Aa-type gene from Bacillus thuringiensis subsp. kurstaki. *Biotechnology Letters*, **1999**, 21, 771-775	3	36
6	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	3.5	28
5	Purification and immunological characterization of particular delta-endotoxins from three strains of Bacillus thuringiensis. *Biotechnology Letters*, **1997**, 19, 825-829	3	21
4	Study of the □-endotoxins produced by three recently isolated strains ofBacillus thuringiensis. *FEMS Microbiology Letters*, **1996**, 145, 349-354	2.9	54
3	Laccase electrode for the continuous-flow determination of phenolic compounds. *Biotechnology Letters*, **1994**, 8, 503		4
2	Purification and properties of two laccase isoenzymes produced byBotrytis cinerea. *Applied Biochemistry and Biotechnology*, **1987**, 15, 213-225	3.2	23
1	Isolation, Screening and Activity of Hydrocarbon-Degrading Bacteria from Harsh Soils		4