

# Babak Bonakdarpour

## List of Publications by Year in descending order

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53  
papers

1,885  
citations

257450

24  
h-index

265206

42  
g-index

53  
all docs

53  
docs citations

53  
times ranked

2363  
citing authors

#	ARTICLE	IF	CITATIONS
1	The use of membrane bioreactors in high rate activated sludge processes: How and why sludge retention time affects membrane fouling. <i>Journal of Water Process Engineering</i> , 2022, 47, 102807.	5.6	13
2	The application of membrane sequencing batch reactors in high rate activated sludge processes: the effect of the organic loading rate on the bioflocculation and fouling phenomenon. <i>Environmental Science: Water Research and Technology</i> , 2022, 8, 1561-1578.	2.4	2
3	Integrating electrocoagulation process with up-flow anaerobic sludge blanket for in-situ biomethanation and performance improvement. <i>Bioresource Technology</i> , 2022, 360, 127536.	9.6	0
4	Anaerobic-aerobic processes for the treatment of textile dyeing wastewater containing three commercial reactive azo dyes: Effect of number of stages and bioreactor type. <i>Chinese Journal of Chemical Engineering</i> , 2021, 39, 228-239.	3.5	14
5	Fouling identification in reciprocal membrane photobioreactor ( RMPBR ) containing <i>Chlorella vulgaris</i> species: Hydraulic resistances assessment. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 404-411.	3.2	8
6	Effect of different light-dark cycles on the membrane fouling, EPS and SMP production in a novel reciprocal membrane photobioreactor (RMPBR) by <i>C. vulgaris</i> species. <i>Journal of Water Process Engineering</i> , 2021, 43, 102256.	5.6	18
7	The effect of temperature and styrene concentration on biogas production and degradation characteristics during anaerobic removal of styrene from wastewater. <i>Bioresource Technology</i> , 2021, 342, 125988.	9.6	7
8	The effect of mechanical cleaning technology (MCT) on membrane fouling in a novel hybrid membrane photobioreactor (HMPBR) containing <i>Arthrospira platensis</i> (Spirulina). <i>Journal of Applied Phycology</i> , 2020, 32, 83-91.	2.8	8
9	Considering a membrane bioreactor for the treatment of vegetable oil refinery wastewaters at industrially relevant organic loading rates. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 981-995.	3.4	17
10	Gaining deeper insights into the bioflocculation process occurring in a high loaded membrane bioreactor used for the treatment of synthetic greywater. <i>Chemosphere</i> , 2019, 230, 316-326.	8.2	21
11	Using enriched water and soil-based indigenous halophilic consortia of an oilfield for the biological removal of organic pollutants in hypersaline produced water generated in the same oilfield. <i>Chemical Engineering Research and Design</i> , 2019, 127, 151-161.	5.6	18
12	Quantifying the organic content of saline wastewaters: Is chemical oxygen demand always an achievable parameter?. <i>Talanta</i> , 2019, 197, 509-516.	5.5	10
13	Simulation of mineral dust aerosols in southwestern Iran through numerical prediction models. <i>Environmental Progress and Sustainable Energy</i> , 2018, 37, 1380-1393.	2.3	9
14	The development of aerobic granules from slaughterhouse wastewater in treating real dyeing wastewater by Sequencing Batch Reactor (SBR). <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 5536-5543.	6.7	18
15	Mineralogical and Chemical Characterization of Suspended Atmospheric Particles in Ahvaz. <i>International Journal of Environmental Research</i> , 2017, 11, 55-62.	2.3	9
16	The development of aerobic granules from conventional activated sludge under anaerobic-aerobic cycles and their adaptation for treatment of dyeing wastewater. <i>Chemical Engineering Journal</i> , 2017, 312, 375-384.	12.7	102
17	Sequential anaerobic-aerobic biological treatment of colored wastewaters: case study of a textile dyeing factory wastewater. <i>Water Science and Technology</i> , 2017, 75, 1261-1269.	2.5	30
18	Considering membrane sequencing batch reactors for the biological treatment of petroleum refinery wastewaters. <i>Journal of Membrane Science</i> , 2017, 523, 542-550.	8.2	33

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19	Identification of dust storm origin in South West of Iran. Journal of Environmental Health Science & Engineering, 2017, 15, 16.	3.0	33
20	The Influence of Sugar Cane Bagasse Type and Its Particle Size on Xylose Production and Xylose-to-Xylitol Bioconversion with the Yeast <i>Debaryomyces hansenii</i> . Applied Biochemistry and Biotechnology, 2016, 180, 1141-1151.	2.9	7
21	pH reduction through amendment of cement mortar with silica fume enhances its biological treatment using bacterial carbonate precipitation. Materials and Structures/Materiaux Et Constructions, 2015, 48, 3205-3215.	3.1	17
22	The use of electrical resistance tomography for the characterization of gas holdup inside a bubble column bioreactor containing activated sludge. Chemical Engineering Journal, 2015, 268, 260-269.	12.7	44
23	Analysis of gas phase characteristics and mixing performance in an activated sludge bioreactor using electrical resistance tomography. Chemical Engineering Journal, 2015, 279, 874-884.	12.7	35
24	Effect of Operating Parameters on the Performance of a <i>Thiobacillus thioautotrophicus</i> Immobilized Polyurethane Foam Biotrickling Filter for Hydrogen Sulfide Removal. Clean - Soil, Air, Water, 2014, 42, 1311-1317.	1.1	5
25	The enzymatic production of lactulose via transglycosylation in conventional and non-conventional media. International Dairy Journal, 2014, 34, 74-79.	3.0	24
26	Salinity effects on biodegradation of Reactive Black 5 for one stage and two stages sequential anaerobic aerobic biological processes employing different anaerobic sludge. International Biodeterioration and Biodegradation, 2014, 95, 294-300.	3.9	16
27	Treatment of hypersaline produced water employing a moderately halophilic bacterial consortium in a membrane bioreactor: Effect of salt concentration on organic removal performance, mixed liquor characteristics and membrane fouling. Bioresource Technology, 2014, 164, 203-213.	9.6	50
28	The biological treatment of high salinity synthetic oilfield produced water in a submerged membrane bioreactor using a halophilic bacterial consortium. Journal of Chemical Technology and Biotechnology, 2013, 88, 2016-2026.	3.2	28
29	The study of organic removal efficiency and halophilic bacterial mixed liquor characteristics in a membrane bioreactor treating hypersaline produced water at varying organic loading rates. Bioresource Technology, 2013, 149, 486-495.	9.6	45
30	The effect of salt on the performance and characteristics of a combined anaerobic-aerobic biological process for the treatment of synthetic wastewaters containing Reactive Black 5. Chemical Engineering Journal, 2013, 221, 363-372.	12.7	62
31	Application of the SAFT-VR equation of state in estimation of physicochemical properties of amino acid solutions. Journal of Molecular Liquids, 2013, 184, 24-32.	4.9	8
32	Hydrogen sulfide removal performance of a bio-trickling filter employing <i>Thiobacillus thioautotrophicus</i> immobilized on polyurethane foam under various starvation regimes. Biotechnology and Bioprocess Engineering, 2012, 17, 1278-1283.	2.6	12
33	Optimization of physicochemical parameters for bioleaching of sphalerite by <i>Acidithiobacillus ferrooxidans</i> using shaking bioreactors. Hydrometallurgy, 2012, 111-112, 22-28.	4.3	56
34	The effect of hydraulic retention time on the performance and fouling characteristics of membrane sequencing batch reactors used for the treatment of synthetic petroleum refinery wastewater. Bioresource Technology, 2011, 102, 7692-7699.	9.6	97
35	Comparison of the performance of one stage and two stage sequential anaerobic-aerobic biological processes for the treatment of reactive-azo-dye-containing synthetic wastewaters. International Biodeterioration and Biodegradation, 2011, 65, 591-599.	3.9	66
36	Statistical Optimization of Anaerobic Biological Processes for Dye Treatment. Clean - Soil, Air, Water, 2010, 38, 942-950.	1.1	12

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37	Long-term operation of submerged membrane bioreactor (MBR) for the treatment of synthetic wastewater containing styrene as volatile organic compound (VOC): Effect of hydraulic retention time (HRT). <i>Journal of Hazardous Materials</i> , 2010, 178, 718-724.	12.4	100
38	Kinetics of styrene biodegradation in synthetic wastewaters using an industrial activated sludge. <i>Journal of Hazardous Materials</i> , 2010, 184, 111-117.	12.4	33
39	Adaptation of <i>Acidithiobacillus ferrooxidans</i> to high grade sphalerite concentrate. <i>Minerals Engineering</i> , 2009, 22, 1299-1306.	4.3	42
40	Evaluation of oil recovery by rhamnolipid produced with isolated strain from Iranian oil wells. <i>Annals of Microbiology</i> , 2009, 59, 573-577.	2.6	23
41	Kinetics of sphalerite bioleaching by <i>Acidithiobacillus ferrooxidans</i> . <i>Hydrometallurgy</i> , 2009, 99, 202-208.	4.3	50
42	Hydrodynamics and oxygen transfer behaviour of water in diesel microemulsions in a draft tube airlift bioreactor. <i>Chemical Engineering and Processing: Process Intensification</i> , 2007, 46, 334-342.	3.6	38
43	Phenolic removal in olive oil mill wastewater using loofah-immobilized <i>Phanerochaete chrysosporium</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2006, 22, 119-127.	3.6	41
44	Use of <i>Phanerochaete chrysosporium</i> Immobilized on Kissiris for Synthetic Dye Decolourization: Involvement of Manganese Peroxidase. <i>World Journal of Microbiology and Biotechnology</i> , 2006, 22, 1251-1257.	3.6	30
45	Growth kinetics and Pho84 phosphate transporter activity of <i>Saccharomyces cerevisiae</i> under phosphate-limited conditions. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2006, 34, 17-25.	3.0	3
46	Gas hold-up and oxygen transfer in a draft-tube airlift bioreactor with petroleum-based liquids. <i>Biochemical Engineering Journal</i> , 2005, 22, 105-110.	3.6	45
47	Application of down flow jet loop bioreactors in implementation and kinetic determination of solid-liquid enzyme reactions. <i>Process Biochemistry</i> , 2005, 40, 2455-2460.	3.7	25
48	Application of the central composite design and response surface methodology to the advanced treatment of olive oil processing wastewater using Fenton's peroxidation. <i>Journal of Hazardous Materials</i> , 2005, 123, 187-195.	12.4	380
49	Effects of irrigation and water content of packings on alpha-pinene vapours biofiltration performance. <i>Biochemical Engineering Journal</i> , 2005, 24, 185-193.	3.6	37
50	Design and operational aspects of airlift bioreactors for petroleum biodesulfurization. <i>Environmental Progress</i> , 2004, 23, 206-214.	0.7	20
51	Influence of top-section design and draft-tube height on the performance of airlift bioreactors containing water-in-oil microemulsion. <i>Journal of Chemical Technology and Biotechnology</i> , 2004, 79, 260-267.	3.2	23
52	Hydrodynamic and mass transfer characterization of a down flow jet loop bioreactor. <i>Biochemical Engineering Journal</i> , 2001, 8, 241-250.	3.6	25
53	Studies on the hydrodynamic behavior and mass transfer in a down-flow jet loop reactor with a coaxial draft tube. <i>Journal of Chemical Technology and Biotechnology</i> , 2001, 76, 39-46.	3.2	16