

# Mehdi Nemati

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

1,595  
citations

394421

19  
h-index

302126

39  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1503  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Impacts of bioreactor operating parameters on removal efficiency, biodegradation rate, molecular distribution, and toxicity of commercial naphthenic acids. <i>Bioprocess and Biosystems Engineering</i> , 2022, 45, 391-407.                      | 3.4  | 0         |
| 2  | Co-biodegradation of Phenol, o-Cresol, and p-Cresol in Binary and Ternary Mixtures: Evaluation of Bioreactor Performance and Toxicity of Treated Effluents. <i>Water, Air, and Soil Pollution</i> , 2022, 233, 1.                                  | 2.4  | 5         |
| 3  | Co-biodegradation of naphthenic acids in anoxic denitrifying biofilm reactors. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 984-1000.  | 2.2  | 1         |
| 4  | Adsorptive removal of tetracycline and lincomycin from contaminated water using magnetized activated carbon. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105998.   | 6.7  | 15        |
| 5  | Simultaneous capture of NH <sub>3</sub> and H <sub>2</sub> S using TiO <sub>2</sub> and ZnO nanoparticles - laboratory evaluation and application in a livestock facility. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103615. | 6.7  | 9         |
| 6  | NANOTECHNOLOGY-BASED CONTROL OF HAZARDOUS AIR POLLUTANTS EMISSION: PILOT SCALE TRIALS FOR SIMULTANEOUS CAPTURE OF H <sub>2</sub> S, NH <sub>3</sub> , AND ODOURS FROM LIVESTOCK FACILITIES. , 2019, , .  |      | 0         |
| 7  | Biodegradation of phenol in batch and continuous flow microbial fuel cells with rod and granular graphite electrodes. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 144-156.  | 2.2  | 19        |
| 8  | Biodegradation of surrogate naphthenic acids and electricity generation in microbial fuel cells: bioelectrochemical and microbial characterizations. <i>Bioprocess and Biosystems Engineering</i> , 2018, 41, 1635-1649.                           | 3.4  | 4         |
| 9  | Treatment of Waters Contaminated by Phenol and Cresols in Circulating Packed Bed Bioreactors” Biodegradation and Toxicity Evaluations. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.   | 2.4  | 17        |
| 10 | Application of ZnO Nanoparticles in Control of H <sub>2</sub> S Emission from Low-Temperature Gases and Swine Manure Gas. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.  | 2.4  | 7         |
| 11 | Evaluation of metal oxide nanoparticles for adsorption of gas phase ammonia. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 422-431.  | 6.7  | 32        |
| 12 | Gas phase adsorption of ammonia using nano TiO <sub>2</sub> -activated carbon composites “ Effect of TiO <sub>2</sub> loading and composite characterization. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 5902-5911.           | 6.7  | 22        |
| 13 | Anoxic biodegradation of a surrogate naphthenic acid coupled to reduction of nitrite. <i>Biochemical Engineering Journal</i> , 2016, 110, 84-94.   | 3.6  | 7         |
| 14 | Biokinetic evaluation of fatty acids degradation in microbial fuel cell type bioreactors. <i>Bioprocess and Biosystems Engineering</i> , 2015, 38, 25-38.  | 3.4  | 4         |
| 15 | Oxygen mass transfer and scale-up studies in baffled roller bioreactors. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 193-203.   | 3.4  | 6         |
| 16 | Continuous Co-biodegradation of linear and cyclic naphthenic acids in circulating packed-bed bioreactors. <i>Environmental Progress and Sustainable Energy</i> , 2014, 33, 835-843.  | 2.3  | 11        |
| 17 | Ammonia loading rate: an effective variable to control partial nitrification and generate the anaerobic ammonium oxidation influent. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 523-531.   | 2.2  | 12        |
| 18 | Biodegradation of a surrogate naphthenic acid under denitrifying conditions. <i>Water Research</i> , 2014, 51, 11-24.  | 11.3 | 33        |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | Evaluation of sulfur-based autotrophic denitrification and denitritation for biological removal of nitrate and nitrite from contaminated waters. <i>Bioresource Technology</i> , 2012, 114, 207-216.                                 | 9.6  | 93        |
| 20 | Batch and continuous biodegradation of three model naphthenic acids in a circulating packed-bed bioreactor. <i>Journal of Hazardous Materials</i> , 2012, 201-202, 132-140.  | 12.4 | 28        |
| 21 | Evaluation of heterotrophic nitrite removal by a sulphide and acetate oxidizing mixed culture originated from an oil reservoir. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 410-417.                         | 3.2  | 6         |
| 22 | Biodegradation kinetics of 1,4-benzoquinone in batch and continuous systems. <i>Biodegradation</i> , 2011, 22, 1087-1093.  | 3.0  | 6         |
| 23 | Biological removal of nitrate by an oil reservoir culture capable of autotrophic and heterotrophic activities: Kinetic evaluation and modeling of heterotrophic process. <i>Journal of Hazardous Materials</i> , 2011, 190, 686-693. | 12.4 | 20        |
| 24 | Kinetic Modelling of Phenol Oxidation in a Bioremediation Medium Using Fenton's Reagent. <i>International Journal of Chemical Reactor Engineering</i> , 2011, 9, .   | 1.1  | 1         |
| 25 | Evaluation of autotrophic and heterotrophic processes in biofilm reactors used for removal of sulphide, nitrate and COD. <i>Bioresource Technology</i> , 2010, 101, 8109-8118.   | 9.6  | 39        |
| 26 | Oxidation of phenol in a bioremediation medium using chlorine dioxide. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 720-725.  | 3.2  | 8         |
| 27 | Laboratory, semi-pilot and room scale study of nitrite and molybdate mediated control of H <sub>2</sub> S emission from swine manure. <i>Bioresource Technology</i> , 2010, 101, 2141-2151.  | 9.6  | 20        |
| 28 | Simultaneous biodesulphurization and denitrification using an oil reservoir microbial culture: Effects of sulphide loading rate and sulphide to nitrate loading ratio. <i>Water Research</i> , 2010, 44, 1531-1541.                  | 11.3 | 100       |
| 29 | Scale up of diesel oil biodegradation in a baffled roller bioreactor. <i>Chemosphere</i> , 2010, 79, 1010-1016.  | 8.2  | 5         |
| 30 | Model for biodegradation of a naphthenic acid in an immobilized cell reactor. <i>Canadian Journal of Chemical Engineering</i> , 2009, 87, 507-513.   | 1.7  | 4         |
| 31 | Biodegradation of diesel oil in a baffled roller bioreactor. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 525-532.  | 3.2  | 12        |
| 32 | Biodegradation kinetics of <i>trans</i> -4-methyl-1-cyclohexane carboxylic acid in continuously stirred tank and immobilized cell bioreactors. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 992-1000.         | 3.2  | 20        |
| 33 | Biodegradation kinetics of <i>trans</i> -4-methyl-1-cyclohexane carboxylic acid. <i>Biodegradation</i> , 2009, 20, 125-133.  | 3.0  | 29        |
| 34 | Bacteria of the sulphur cycle: An overview of microbiology, biokinetics and their role in petroleum and mining industries. <i>Biochemical Engineering Journal</i> , 2009, 44, 73-94.   | 3.6  | 343       |
| 35 | Physical and Biological Treatment of Oil-Contaminated Soil in a Baffled Roller Bioreactor. <i>Bioremediation Journal</i> , 2009, 13, 130-140.  | 2.0  | 5         |
| 36 | Mass transfer and bioremediation of aromatics from NAPL in a baffled roller bioreactor. <i>Chemical Engineering Research and Design</i> , 2008, 86, 252-258.   | 5.6  | 9         |

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|----|---|------|-----------|
| 37 | Control of H <sub>2</sub> S emission from swine manure using Na-nitrite and Na-molybdate. <i>Journal of Hazardous Materials</i> , 2008, 154, 300-309.   | 12.4 | 34        |
| 38 | Scale-up impacts on mass transfer and bioremediation of suspended naphthalene particles in bead mill bioreactors. <i>Bioresource Technology</i> , 2008, 99, 8143-8150.                          | 9.6  | 10        |
| 39 | Naphthalene Mass Transfer from a Non-Aqueous Phase Liquid (NAPL) in Rotating Baffled and Bead Mill Bioreactors. <i>Separation Science and Technology</i> , 2008, 43, 2103-2116.                 | 2.5  | 2         |
| 40 | Batch and continuous biooxidation of sulphide by <i>Thiomicrospira</i> sp. CVO: Reaction kinetics and stoichiometry. <i>Water Research</i> , 2006, 40, 2436-2446.                               | 11.3 | 113       |
| 41 | Anaerobic reduction of sulfate in immobilized cell bioreactors, using a microbial culture originated from an oil reservoir. <i>Biochemical Engineering Journal</i> , 2006, 31, 148-159.         | 3.6  | 58        |
| 42 | Mass Transfer and Bioremediation of Naphthalene and Methyl Naphthalenes in Baffled and Bead Mill Bioreactors. <i>Canadian Journal of Chemical Engineering</i> , 2006, 84, 349-355.              | 1.7  | 16        |
| 43 | A kinetic study on anaerobic reduction of sulphate, part II: incorporation of temperature effects in the kinetic model. <i>Chemical Engineering Science</i> , 2005, 60, 3517-3524.              | 3.8  | 47        |
| 44 | Improved mass transfer and biodegradation rates of naphthalene particles using a novel bead mill bioreactor. <i>Journal of Chemical Technology and Biotechnology</i> , 2005, 80, 662-668.       | 3.2  | 12        |
| 45 | Corrosion risk associated with microbial souring control using nitrate or nitrite. <i>Applied Microbiology and Biotechnology</i> , 2005, 68, 272-282.   | 3.6  | 138       |
| 46 | Containment of Biogenic Sulfide Production in Continuous Up-Flow Packed-Bed Bioreactors with Nitrate or Nitrite. <i>Biotechnology Progress</i> , 2003, 19, 338-345.                             | 2.6  | 112       |
| 47 | Impact of Nitrate-Mediated Microbial Control of Souring in Oil Reservoirs on the Extent of Corrosion. <i>Biotechnology Progress</i> , 2001, 17, 852-859.  | 2.6  | 70        |
| 48 | Combined biological and chemical oxidation of ferrous sulfate using immobilised <i>Thiobacillus ferrooxidans</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 1999, 74, 562-570. | 3.2  | 24        |
| 49 | Title is missing!. <i>Biotechnology Letters</i> , 1997, 19, 39-43.  | 2.2  | 7         |