

ELENCO DELLE PUBBLICAZIONI - MAURO MAJONE
Dicembre 2014

SOMMARIO

| | |
|---|-------------------|
| Tipologia | |
| Pubblicazioni scientifiche su riviste internazionali (Pi) <u>di cui censite ISI con Indice di Impatto (IF)</u> | 134 <u>125</u> |
| Pubblicazioni scientifiche su libri internazionali (Li) | 14 |
| Pubblicazioni scientifiche su riviste nazionali (Pn) | 15 |
| Curatele editoriali | 2 |
| Totale pubblicazioni su riviste e libri | 158 |
| Comunicazioni a convegni internazionali o con stampa degli atti (As) | 80 |
| Altre comunicazioni a convegni (C) | 71 |
| Miscellanea (M) | 11 |
| Totale partecipazione convegni e altre pubblicazioni | 162 |
| Brevetti (Br) | 2 |
| Totale | 329 |

Numero di citazioni = 3001 (2417, al netto delle auto-citazioni di ogni coautore)

Indice di Hirsch (HI) = 34 (29, al netto delle auto-citazioni di ogni coautore)

(fonte Scopus)

PUBBLICAZIONI SU RIVISTE INTERNAZIONALI

(Il simbolo ° indica rivista con indice di impatto)

- Pi134° **Majone, M., Verdini, R., Aulenta, F., (...), Zanaroli, G., Fava, F.** In situ groundwater and sediment bioremediation: Barriers and perspectives at European contaminated sites , *New Biotechnology*, (1), pp. 133-146, 2015
- Pi133° **Campanari, S., E Silva, F.A., Bertin, L., Villano, M., Majone, M.** Effect of the organic loading rate on the production of polyhydroxyalkanoates in a multi-stage process aimed at the valorization of olive oil mill wastewater *International Journal of Biological Macromolecules*, 71, pp. 34-41, 2014
- Pi132° **Gacitúa, M.A., González, B., Majone, M., Aulenta, F.** Boosting the electrocatalytic activity of *Desulfovibrio paquesii* biocathodes with magnetite nanoparticles *International Journal of Hydrogen Energy* , 39 (27), pp. 14540-14545, 2014
- Pi131° **Cruz Vigg, C., Rossetti, S., Fazi, S., (...), Majone, M., Aulenta, F.** Magnetite particles triggering a faster and more robust syntrophic pathway of methanogenic propionate degradation. *Environmental Science and Technology*, 48 (13), pp. 7536-7543, 2014.
- Pi130° **Majone, M., Reis, M.** , Editorial, *New Biotechnology*, 31 (4), pp. 255-256, 2014
- Pi129° **Morgan-Sagastume, F., Valentino, F., Hjort, M., (...), Majone, M., Werker, A.** Polyhydroxyalkanoate (PHA) production from sludge and municipal wastewater treatment *Water Science and Technology*, 69 (1), pp. 177-184, 2014.
- Pi128° **Aulenta, F., Fazi, S., Majone, M., Rossetti, S.** Electrically conductive magnetite particles enhance the kinetics and steer the composition of anaerobic TCE-dechlorinating cultures, *Process Biochemistry* 49 (12), pp. 2235-2240, 2014
- Pi127° **F. Valentino, M. Beccari, G.Zanaroli, S. Fraraccio, M. Majone.** Feed frequency in a Sequencing Batch Reactor strongly affects the production of polyhydroxyalkanoates (PHAs) from volatile fatty acids. *New Biotechnology*, 31 (4), pp. 264-275, 2014
- Pi126° **M. Villano, F. Valentino, A. Barbeta, L. Martino, M. Scandola, M. Majone.** Polyhydroxyalkanoates production with mixed microbial cultures: from culture selection to polymer recovery in a high-rate continuous process. *New Biotechnology*, 31 (4), pp. 289-296, 2014
- Pi125° **Martínez-Sanz, M., Villano, M., Oliveira, C., Albuquerque, M.G.E., Majone, M., Reis, M., Lopez-Rubio, A., Lagaron, J.M.** Characterization of polyhydroxyalkanoates synthesized from microbial mixed cultures and of their nanobiocomposites with bacterial cellulose nanowhiskers. *New Biotechnology*, 31 (4), pp. 364-376, 2014
- Pi124° **Aulenta, F., Rossetti, S., Amalfitano, S., Majone, M., Tandoi, V.** Conductive magnetite nanoparticles accelerate the microbial reductive dechlorination of trichloroethene by promoting interspecies electron transfer processes. *ChemSusChem*, 6 (3), pp. 433-436, 2013.
- Pi123° **Aulenta, F., Verdini, R., Zeppilli, M., Zanaroli, G., Fava, F., Rossetti, S., Majone, M.** Electrochemical stimulation of microbial cis-dichloroethene (cis-DCE) oxidation by an ethene-assimilating culture. *New Biotechnology*, 30 (6) , 749-755, 2013
- Pi122° **Valentino, F., Brusca, A.A., Beccari, M., Nuzzo, A., Zanaroli, G., Majone, M.** Start up of biological sequencing batch reactor (SBR) and short-term biomass acclimation for polyhydroxyalkanoates production. *Journal of Chemical Technology and Biotechnology*, 88 (2), pp. 261-270, 2013..
- Pi121° **Ciggin, A.S., Insel, G., Majone, M., Orhon, D.** Model evaluation of starch utilization by acclimated biomass with different culture history under pulse and continuous feeding. *Bioresource Technology*, 138, 163-171, 2013
- Pi120° **Villano, M., Scardala, S., Aulenta, F., Majone, M.** Carbon and nitrogen removal and enhanced methane production in a microbial electrolysis cell. *Bioresource Technology*, 130, 366-371, 2013.

- Pi119° **De Sanctis, M., Beccari, M., Di Iaconi, C., Majone, M., Rossetti, S., Tandoi, V.** Study of performances, stability and microbial characterization of a Sequencing Batch Biofilter Granular Reactor working at low recirculation flow. *Bioresource Technology*, 129, 624-628, 2013.
- Pi118° **Ciggin, A.S., Orhon, D., Capitani, D., Miccheli, A., Puccetti, C., Majone, M.** Aerobic metabolism of mixed carbon sources in sequencing batch reactor under pulse and continuous feeding 2013) *Bioresource Technology*, 129, 118-126, 2013.
- Pi117° **Di Battista, A., Verdini, R., Rossetti, S., Pietrangeli, B., Majone, M., Aulenta, F.** CARD-FISH analysis of a TCE-dechlorinating biocathode operated at different set potentials. *New Biotechnology*, 30 (1), 33-38, 2012.
- Pi116° **Matturro, B., Aulenta, F., Majone, M., Papini, M.P., Tandoi, V., Rossetti, S.** Field distribution and activity of chlorinated solvents degrading bacteria by combining CARD-FISH and real time PCR *New Biotechnology*, 30 (1), 23-32, 2012.
- Pi115° **Ciggin, A.S., Majone, M., Orhon, D.** Intracellular storage of acetate/starch mixture by fast growing microbial culture in sequencing batch reactor under continuous feeding. *Bioresource Technology*, 119, 331-338, 2012.
- Pi114° **Villano, M., Aulenta, F., Beccari, M., Majone, M.** Start-up and performance of an activated sludge bioanode in microbial electrolysis cells. *Chemical Engineering Transactions*, 27, 109-114, 2012.
- Pi113° **Villano, M., Aulenta, F., Majone, M.** Perspectives of biofuels production from renewable resources with bioelectrochemical systems. *Asia-Pacific Journal of Chemical Engineering*, 7 (SUPPL. 3), S263-S274, 2012.
- Pi112° **Baric, M., Majone, M., Beccari, M., Papini, M.P.** Coupling of polyhydroxybutyrate (PHB) and zero valent iron (ZVI) for enhanced treatment of chlorinated ethanes in permeable reactive barriers (PRBs). *Chemical Engineering Journal*, 195-196, 22-30, 2012.
- Pi111° **Aulenta, F., Catapano, L., Snip, L., Villano, M., Majone, M.** Linking bacterial metabolism to graphite cathodes: Electrochemical insights into the H₂-producing capability of desulfovibrio sp. *ChemSusChem*, 5 (6), 1080-1085, 2012.
- Pi110° **A.S. Çiğgin, G. Insel, M. Majone, D. Orhon.** Respirometric evaluation and modelling of acetate utilization in sequencing batch reactor under pulse and continuous feeding, *Bioresource Technology*, 107, 61-69, 2012
- Pi109° **A.S. Ciggin, S. Rossetti, M. Majone, D. Orhon.** Effect of feeding regime and the sludge age on the fate of acetate and the microbial composition in sequencing batch reactor *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, 47 (2), 192-203, 2012
- Pi108° **F. Aulenta, L. Tocca, R. Verdini, P. Reale, M. Majone.** Dechlorination of trichloroethene in a continuous-flow bioelectrochemical reactor: Effect of cathode potential on rate, selectivity, and electron transfer mechanisms, *Environmental Science and Technology*, 45 (19), 8444-8451, 2011
- Pi107° **A.S Çiğgin, D. Orhon, D.ab , S. Rossetti, M. Majone.** Short-term and long-term effects on carbon storage of pulse feeding on acclimated or unacclimated activated sludge, *Water Research*, 45 (10), 3119-3128, 2011
- Pi106° **M. Villano, G. Monaco, F. Aulenta, M. Majone.** Electrochemically assisted methane production in a biofilm reactor. *Journal of Power Sources*, 196 (22), 9467-9472, 2011
- Pi105° **F. Aulenta, T. Ferri, D. Nicastro, M. Majone, M.P. Papini.** Improved electrical wiring of microbes: anthraquinone-modified electrodes for biosensing of chlorinated hydrocarbons. *New Biotechnology*, 29, 126-131, 2011
- Pi104° **A.S Ciggin, S. Rossetti, M. Majone, D.Orhon.** Effect of feeding and sludge age on acclimated bacterial community and fate of slowly biodegradable substrate. *Bioresource Technology*, 102 (17), 7794-7801, 2011

- Pi103° **M. Villano, L. De Bonis, S. Rossetti, F. Aulenta, M. Majone**. Bioelectrochemical hydrogen production with hydrogenophilic dechlorinating bacteria as electrocatalytic agents. *Bioresource Technology*, 102 (3), 3193-3199, 2011
- Pi102° **M. Villano, S. Lampis, F. Valentino, G. Vallini, M. Majone, M. Beccari**. Effect of hydraulic and organic loads in Sequencing Batch Reactor on microbial ecology of activated sludge and storage of polyhydroxyalkanoates. *Chemical Engineering Transactions*, 20, 187-192, 2010.
- Pi101° **Villano M., Aulenta F., Beccari M., Majone M.** Microbial generation of H₂ or CH₄ coupled to wastewater treatment in bioelectrochemical systems. *Chemical Engineering Transactions*, 20, 163-168, 2010.
- Pi100° **F. Aulenta, V. Di Maio, T. Ferri, M. Majone**. The humic acid analogue anthraquinone-2,6-disulfonate (AQDS) serves as an electron shuttle in the electricity-driven microbial dechlorination of trichloroethene to cis-dichloroethene. *Bioresource Technology*, 101 (24), 9728-9733, 2010
- Pi99° **L. Bertin, S. Lampis, D. Todaro, A. Scoma, G. Vallini, L. Marchetti, M. Majone, F. Fava**. Anaerobic acidogenic digestion of olive mill wastewaters in biofilm reactors packed with ceramic filters or granular activated carbon. *Water Research*, 44 (15), 4537-4549, 2010
- Pi98° **C.C. Vigi, D. Dionisi, A. Miccheli, M. Valerio, M. Majone**. Metabolic analysis of the removal of formic acid by unacclimated activated sludge. *Water Research*, 44 (9), 3393-3400, 2010.
- Pi97° **M. Majone, F. Aulenta, D. Dionisi, E.N. D'Addario, R. Sbardellati, D. Bolzonella, M. Beccari**. High-rate anaerobic treatment of Fischer-Tropsch wastewater in a packed-bed biofilm reactor. *Water Research*, 44 (9), 2745-2752, 2010.
- Pi96° **M. Villano, M. Beccari, D. Dionisi, S. Lampis, A. Miccheli, G. Vallini, M. Majone**. Effect of pH on the production of bacterial polyhydroxyalkanoates by mixed cultures enriched under periodic feeding. *Process Biochemistry*, 45 (5), 714-723, 2010.
- Pi95° **F. Aulenta, Reale P., Canosa A., Rossetti S., Panero S., Majone M.** Characterization of an electro-active biocathode capable of dechlorinating trichloroethene and cis-dichloroethene to ethene, *Biosensors and Bioelectronics*, 25(7) 1796-1802, 2010
- Pi94° **M. Villano, Aulenta F., Ciucci C., Ferri T., Giuliano A., Majone M.** High-efficiency bioelectrochemical reduction of CO₂ to CH₄ via direct and indirect extracellular electron transfer by a hydrogenophilic methanogenic culture, *Bioresource Technology*, 101(9) 3085-3090, 2010.
- Pi93° **Fatone F., Difabio S., Aulenta F., Majone M., Tapparo A., Cecchi F.** Removal and fate of total and free cyanide treating real low-loaded petrochemical wastewater in a pilot membrane bioreactor (MBR). *Chemical Engineering Transactions*, 17, 215-220, 2009.
- Pi92° **F. Aulenta, Canosa A., De Roma L., Reale P., Panero S., Rossetti S., Majone M.** Influence of mediator immobilization on the electrochemically assisted microbial dechlorination of trichloroethene (TCE) and cis-dichloroethene (cis-DCE), *J Chemical Technology & Biochemistry*, 84(6) 864 – 870, 2009.
- Pi91° **M. Beccari, L. Bertin, D. Dionisi, F. Fava, S. Lampis, M. Majone, F. Valentino, G. Vallini, M. Villano**. Exploiting olive oil mill effluents as a renewable resource for production of biodegradable polymers through a combined anaerobic-aerobic process. *Journal of Chemical Technology and Biotechnology*, 84 (6), 901-908, 2009
- Pi90° **F. Aulenta, A. Canosa, P. Reale, S. Rossetti, S. Panero, M. Majone**, Microbial reductive dechlorination of trichloroethene to ethene with electrodes serving as electron donors without the external addition of redox mediators, *Biotechnology & Bioengineering*, 103(1) 85 – 91, 2009.
- Pi89° **F. Carrasco, M. Majone, M. Beccari**. Improving anaerobic sludge digestion on an industrial scale: Changing from mesophilic to thermophilic conditions. *Ingenieria Quimica*, 40 (460), 130-139, 2008.

- Pi88° **F. Carrasco, M. Majone, M. Beccari.** Full scale thermophilic anaerobic digestion of sludge: Effect of co-digestion with agro-industrial wastes. *Afinidad*, 65 (535), May, 197-204, 2008.
- Pi87° **D. Dionisi, M. Majone, A. Bellani, C. Cruz Viggi, M. Beccari,** Role of biomass adaptation in the removal of formic acid in sequencing batch reactors, *Water Science & Technology*, 58 (2),303-307, 2008.
- Pi86° **D. Dionisi, L. Bornoroni, S. Mainelli, M. Majone, F. Pagnanelli, M. Petrangeli Papini** A theoretical and experimental analysis of the role of sludge age on the removal of adsorbed micropollutants in activated sludge processes, *Industrial & Engineering Chemistry Research*, 47 (17), 6775-6782, 2008.
- Pi85° **F. Aulenta, A. Canosa, , M. Majone, S. Panero, P. Reale, S. Rossetti.** Trichloroethene dechlorination and H₂ evolution are alternative biological pathways of electric charge utilization by a dechlorinating culture in a bioelectrochemical system, *Environmental Science & Technology*, 42(16), 6185-6190, 2008.
- Pi84° **F. Aulenta, M. Fuoco, A. Canosa, M. Petrangeli Papini, M. Majone,** Use of Poly-β-hydroxy-butyrate as a slow-release electron donor for the microbial reductive dechlorination of TCE, *Water Science & Technology*, 57(6), 921-925, 2008.
- Pi83° **F. Aulenta, P. Reale, A. Catervi, S. Panero, M. Majone,** Kinetics of trichloroethene dechlorination and methane formation by a mixed anaerobic culture in a bio-electrochemical system. *Electrochimica Acta*, 53(16), 5300-5305, 2008.
- Pi82° **S. Fazi, F. Aulenta, M. Majone, S. Rossetti,** Improved quantification of *Dehalococcoides* species by fluorescent in situ hybridization and catalysed reporter deposition (CARD-FISH) *Systematic & Applied Microbiology*, 31(1), 62-67, 2008.
- Pi81° **S. Rossetti, F. Aulenta, M. Majone, G. Crocetti, V. Tandoi,** Structure analysis and performance of a microbial community from a contaminated aquifer involved in the complete reductive dechlorination of 1,1,2,2-tetrachloroethane to ethene *Biotechnology & Bioengineering*, 100(2), 240-249, 2008.
- Pi80° **F. Aulenta, M. Beccari, M. Majone, M. Petrangeli Papini, V. Tandoi,** Competition for H₂ between sulfate reduction and dechlorination in butyrate-fed anaerobic cultures, *Process Biochemistry*, 43(2) 161-168, 2008.
- Pi79° **D. Dionisi, M. Majone, G. Vallini, S. Di Gregorio, M. Beccari,** Effect of the length of the cycle on biodegradable polymer production and microbial community selection in a Sequencing Batch Reactor, *Biotechnology Progress*, 23, 1064-1073, 2007.
- Pi78° **D. Dionisi, C. Levantesi, M. Majone, L. Bornoroni, M. De Sanctis,** The effect of micropollutants (organic xenobiotics and heavy metals) in the activated sludge process, *Industrial & Engineering Chemistry Research*, 46 (21), 6762-6769, 2007.
- Pi77° **F. Aulenta, A. Canosa, M. Leccese, M. Petrangeli Papini, M. Majone and P. Viotti,** Field study of in-situ anaerobic bioremediation of a chlorinated solvent source zone, *Industrial & Engineering Chemistry Research*, 46 (21), 6812-6819, 2007.
- Pi76° **F. Aulenta, A. Catervi, M. Majone, S. Panero, P. Reale and S. Rossetti.** Electron transfer from a solid state electrode assisted by methyl viologen sustains efficient microbial reductive dechlorination of TCE. *Environmental Science & Technology*, 41 (7), 2554-2559, 2007.
- Pi75° **M. Majone, M. Beccari, D. Dionisi, C. Levantesi, R. Ramadori, V. Tandoi** Effect of periodic feeding on substrate uptake and storage rates by a pure culture of *Thiothrix* (CT3 strain), *Water Research*, 41(1), 177-187, 2007.
- Pi74° **F. Aulenta, A. Pera, M. Petrangeli Papini, S. Rossetti and M. Majone.** Relevance of side reactions in anaerobic reductive dechlorination microcosms amended with different electron donors, *Water Research*, 41(1), 27 – 38, 2007.
- Pi73° **D. Dionisi, M. Majone, C. Levantesi, A. Bellani, A. Fuoco** Effect of feed length on settleability, substrate uptake and storage in a Sequencing Batch Reactor treating an industrial wastewater, *Environmental Technology*, 27(8), 901-908, 2006.

- Pi72° **E. Louarn, F. Aulenta, C. Levantesi, M. Majone and V. Tandoi.** Modeling substrate interactions during aerobic biodegradation of mixtures of vinyl chloride and ethene. *Journal of Environmental Engineering-Asce*, **132(8)**, 940 – 948, 2006.
- Pi71° **M. Majone, M. Beccari, S. Di Gregorio, D. Dionisi, G. Vallini.** Enrichment of activated sludge in a sequencing batch reactor for polyhydroxyalkanoates production, *Water Science & Technology*, **54(1)**, 119-128, 2006.
- Pi70° **F. Aulenta, M. Majone, V. Tandoi** Enhanced anaerobic bioremediation of chlorinated solvents: environmental factors influencing microbial activity and their relevance under field conditions, *Journal of Chemical Technology & Biotechnology*, **81(9)**, 1463 – 1474, 2006.
- Pi69° **F. Aulenta, C. Di Tomassi, C. Cupo, M. Petrangeli Papini, M. Majone.** Influence of hydrogen on the reductive dechlorination of tetrachloroethene (PCE) to ethene in a methanogenic biofilm reactor: role of mass transport phenomena, *Journal of Chemical Technology & Biotechnology*, **81(9)**, 1520 – 1529, 2006.
- Pi68° **F. Aulenta, M. Potalivo, M. Majone, M. Petrangeli Papini, V. Tandoi.** Anaerobic bioremediation of groundwater containing a mixture of 1,1,2,2-tetrachloroethane and chloroethenes, *Biodegradation*, **17**, (3), 193-206, 2006.
- Pi67° **F. Carrasco, D. Dionisi, M. Beccari, M. Majone, A. Martinelli.** Thermal stability of polyhydroxyalkanoates, *Journal of Applied Polymer Science*, **100**, 2111-2121, 2006.
- Pi66° **D. Dionisi, M. Majone, G. Vallini, S. Di Gregorio, M. Beccari.** Effect of the applied organic load rate on biodegradable polymer production by mixed microbial cultures in a Sequencing Batch Reactor, *Biotechnology & Bioengineering*, **93(1)**, 76-88, 2006.
- Pi65° **F. Aulenta F., A. Fina, M. Potalivo, M. Petrangeli Papini, S. Rossetti, M. Majone.** Anaerobic transformation of tetrachloroethane (TeCA), perchloroethylene (PCE), and their mixtures by mixed-cultures enriched from contaminated soils and sediments, *Water Science & Technology*, **52(1-2)**, 357-362, 2005.
- Pi64° **F. Aulenta, J.M. Gossett, M. Petrangeli Papini, S. Rossetti, M. Majone.** Comparative study of methanol, butyrate, and hydrogen as electron donors for long-term dechlorination of tetrachloroethene in mixed anaerobic cultures, *Biotechnology & Bioengineering*, **91** (6), 743-753, 2005.
- Pi63° **G. Carucci, F. Carrasco, K. Trifoni, M. Majone, M. Beccari.** Anaerobic digestion of food industry wastes: effect of codigestion on methane yield, *Journal of Environmental Engineering*, **131** (7), 1-9, 2005.
- Pi62° **D. Dionisi, M. Beccari, S. Di Gregorio, M. Majone, M. Petrangeli Papini, G. Vallini.** Storage of biodegradable polymers by an enriched microbial community in a Sequencing batch reactor operated at high organic load rate, *Journal of Chemical Technology & Biotechnology*, **80** (11), 1306-1318, 2005.
- Pi61° **D. Dionisi, G. Carucci, M. Petrangeli Papini, C. Riccardi, M. Majone, F. Carrasco.** Olive oil mill effluents as a feedstock for production of biodegradable polymers, *Water Research*, **39(10)**, 2076-2084, 2005.
- Pi60° **F. Aulenta F., M. Majone, A. Bianchi, M. Potalivo, V. Tandoi.** Assessment of natural or enhanced in-situ bioremediation at a chlorinated solvent contaminated site in Italy: a microcosm study. *Environment International*, **31**, 185–190, 2005.
- Pi59° **M. Petrangeli Papini, M.T. Saurini, A. Bianchi, M. Majone M. Beccari.** Modeling the competitive adsorption of Pb, Cu, Cd and Ni onto a natural heterogeneous sorbent material (italian "Red Soil"). *Industrial & Engineering Chemistry Research*, **43**, 5032-5041, 2004.
- Pi58° **D. Dionisi, V. Renzi, M. Majone, M. Beccari, R. Ramadori.** Storage of substrate mixtures under dynamic conditions in anoxic or aerobic environments, *Water Research*, **38** (8), 2196-2206, 2004.
- Pi57° **D. Dionisi, M. Majone, A. Miccheli, C. Puccetti, C. Sinisi.** Glutamic acid removal and PHB storage in the activated sludge process under dynamic conditions, *Biotechnology & Bioengineering*, **86** (7), 842-851, 2004.

- Pi56° **F. Aulenta, S. Rossetti, M. Majone, V. Tandoi.** Detection and quantitative estimation of *Dehalococcoides* spp. in a dechlorinating bioreactor by a combination of FISH (Fluorescent In Situ Hybridization) and kinetic analysis. *Applied Microbiology & Biotechnology*, 64, 206-212, 2004.
- Pi55° **D. Dionisi, M. Majone, V. Papa, M. Beccari.** Biodegradable polymers from organic acids by using activated sludge enriched by aerobic periodic feeding, *Biotechnology & Bioengineering*, 85 (6), pp. 569-579, 2004.
- Pi54° **G. Farabegoli, A. Carucci, M. Majone, E. Rolle.** Biological treatment of tannery wastewater in the presence of chromium, *Journal of Environmental Management*, 71, 345-349, 2004.
- Pi53° **F. Aulenta, D. Dionisi, M. Majone, A. Parisi, R. Ramadori, V. Tandoi.** Effect of periodic feeding in Sequencing Batch Reactor (SBR) on substrate uptake and storage rates by a pure culture of *Amaricoccus Kaplicensis*. *Water Research*, 37 (11), 2764-2772, 2003.
- Pi52° **S. Rossetti, L. L. Blackall, M. Majone, P. Hugenholtz, J. J. Plumb & V. Tandoi.** Kinetic and phylogenetic characterization of an anaerobic dechlorinating microbial community. *Microbiology-SGM*, 149, 459-469, 2003.
- Pi51° **F. Aulenta, M. Majone, P. Verbo, V. Tandoi.** Complete dechlorination of tetrachloroethene to ethene in presence of methanogenesis and acetogenesis by an anaerobic sediment microcosm. *Biodegradation*, 13, 411-424, 2002.
- Pi50° **M. Beccari, G. Carucci, A.M. Lanz, M. Majone, M. Petrangeli Papini.** Removal of molecular weight fractions of COD and phenolic compounds in an integrated treatment of olive oil mill effluents. *Biodegradation*, 13, 401-410, 2002.
- Pi49° **M. Petrangeli Papini, A. Bianchi, M. Majone, M. Beccari.** Equilibrium modeling of lead adsorption onto a "Red Soil" as function of liquid phase composition, *Industrial & Engineering Chemistry Research*, 41 (8), 1946-1954, 2002.
- Pi48° **D. Dionisi, C. Levantesi, V. Renzi, V. Tandoi, M. Majone.** PHA storage from several substrates by different morphological types in an anoxic/aerobic SBR, *Water Science & Technology*, 46(1-2), 337-344, 2002.
- Pi47° **M. Beccari, D. Dionisi, A. Giuliani, M. Majone, R. Ramadori.** Effect of different carbon sources on aerobic storage by activated sludge. *Water Science & Technology*, 45, 157-168, 2002.
- Pi46° **F. Aulenta, C. Bassani, J. Ligthart, M. Majone, A. Tilche.** Calorimetry: a tool for assessing microbial activity under aerobic and anoxic conditions, *Water Research*, 36, 1297-1305, 2002.
- Pi45° **M. Petrangeli Papini, M. Majone, E. Rolle.** Kaolinite sorption of Cd, Ni, and Cu from landfill leachates: influence of leachate composition, *Water Science & Technology*, 44, 343-350, 2001.
- Pi44° **L. Bertin; M. Majone, D. Di Gioia, F. Fava.** An aerobic fixed-phase biofilm reactor system for the degradation of the low-molecular weight aromatic compounds occurring in the effluents of anaerobic digestors treating olive mill wastewaters, *Journal of Biotechnology*, 87 (2), 161-177, 2001.
- Pi43° **D. Dionisi, M. Majone, V. Tandoi, M. Beccari.** Sequencing batch reactor: influence of periodic operation on performance of activated sludge in biological wastewater treatment, *Industrial & Engineering Chemistry Research*, 40, 5110-5119, 2001.
- Pi42° **A. Carucci, D. Dionisi, M. Majone, E. Rolle, P. Smurra.** Aerobic storage by activated sludge on real wastewater, *Water Research*, 35 (16), 3833-3844, 2001.
- Pi41° **M. Beccari, M. Majone, M. Petrangeli Papini, L. Torrissi.** Enhancement of anaerobic treatability of olive oil mill effluents by addition of $\text{Ca}(\text{OH})_2$ and bentonite without intermediate solid/liquid separation, *Water Science & Technology*, 43 (11), 275-282, 2001.
- Pi40° **M. Majone, M. Beccari, D. Dionisi, C. Levantesi, V. Renzi.** Role of storage phenomena on removal of different substrates during pre-denitrification, *Water Science & Technology*, 43 (3). 151-158, 2001.

- Pi39° **D. Dionisi, M. Majone, R. Ramadori, M. Beccari.** The storage of acetate under anoxic conditions, *Water Research*, 35 (11), 2661-2668, 2001.
- Pi38° **M. Petrangeli Papini, Y. Duale Kahie, B. Troia, M. Majone.** Adsorption of lead at variable pH onto a natural porous medium: modeling of batch and column experiments. *Environmental Science & Technology*, 33, 4457-4464, 1999.
- Pi37° **A. Carucci, M. Majone, R. Ramadori.** Comment on “Microbiology and biochemistry of the enhanced biological phosphate removal process. Review Paper” by T.Mino, M.C.M. Van Loosdrecht and J.J.Heijnen. *Wat.Res.*, 32(11),3193-3207, 1998. *Water Research*, 33 (10), 2465-2466, 1999.
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- Pi35° **A. Carucci, A. Chiavola, M. Majone, E. Rolle.** Treatment of tannery wastewater in a sequencing batch reactor, *Water Science & Technology*, 40 (1), 253-259, 1999.
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