Massimiliano Fabbricino

List of Publications by Year
in descending order

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94 papers	2,155 citations	201575 27 h-index	302012 39 g-index
94 all docs	94 docs citations	94 times ranked	2493 citing authors

#	Article	IF	Citations
1	In Situ Examination of the Protonation Behavior of Fulvic Acids Using Differential Absorbance Spectroscopy. Environmental Science & Technology, 2008, 42, 6644-6649.	4.6	116
2	Use of chitosan and chitosan-derivatives to remove arsenic from aqueous solutionsâ€"a mini review. Carbohydrate Research, 2012, 356, 86-92.	1.1	108
3	Pre-treatments of MSWI fly-ashes: a comprehensive review to determine optimal conditions for their reuse and/or environmentally sustainable disposal. Reviews in Environmental Science and Biotechnology, 2019, 18, 453-471.	3.9	77
4	Effect of soil/contamination characteristics and process operational conditions on aminopolycarboxylates enhanced soil washing for heavy metals removal: a review. Reviews in Environmental Science and Biotechnology, 2016, 15, 111-145.	3.9	62
5	Improving biological production of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) (PHBV) co-polymer: a critical review. Reviews in Environmental Science and Biotechnology, 2021, 20, 479-513.	3.9	62
6	Repeated-Batch Fermentation of Cheese Whey for Semi-Continuous Lactic Acid Production Using Mixed Cultures at Uncontrolled pH. Sustainability, 2019, 11, 3330.	1.6	58
7	Combined bioaugmentation with anaerobic ruminal fungi and fermentative bacteria to enhance biogas production from wheat straw and mushroom spent straw. Bioresource Technology, 2018, 260, 364-373.	4.8	57
8	Photofermentative production of hydrogen and poly-Î²-hydroxybutyrate from dark fermentation products. Bioresource Technology, 2017, 228, 171-175.	4.8	52
9	An environmental friendly cycle for Cr(III) removal and recovery from tannery wastewater. Journal of Environmental Management, 2013, 117, 1-6.	3.8	50
10	Application of an electrochemical treatment for EDDS soil washing solution regeneration and reuse in a multi-step soil washing process: Case of a Cu contaminated soil. Journal of Environmental Management, 2015, 163, 62-69.	3.8	50
11	Comparison of the effects of chloramine and chlorine on the aromaticity of dissolved organic matter and yields of disinfection by-products. Chemosphere, 2018, 191, 477-484.	4.2	47
12	Formation of disinfection by-products and applicability of differential absorbance spectroscopy to monitor halogenation in chlorinated coastal and deep ocean seawater. Desalination, 2005, 176, 57-69.	4.0	46
13	Copper and zinc removal from contaminated soils through soil washing process using ethylenediaminedisuccinic acid as a chelating agent: A modeling investigation. Journal of Environmental Chemical Engineering, 2016, 4, 2878-2891.	3.3	39
14	Biohydrogen and poly-Î²-hydroxybutyrate production by winery wastewater photofermentation: Effect of substrate concentration and nitrogen source. Journal of Environmental Management, 2020, 271, 111006.	3.8	37
15	Effects of charging on the chromophores of dissolved organic matter from the Rio Negro basin. Water Research, 2014, 59, 154-164.	5.3	36
16	Cold-bonding process for treatment and reuse of waste materials: Technical designs and applications of pelletized products. Critical Reviews in Environmental Science and Technology, 2021, 51, 2197-2231.	6.6	36
17	Effect of total solids content on methane and volatile fatty acid production in anaerobic digestion of food waste. Waste Management and Research, 2014, 32, 947-953.	2.2	35
18	Bioaugmentation strategy to enhance polycyclic aromatic hydrocarbons anaerobic biodegradation in contaminated soils. Chemosphere, 2021, 275, 130091.	4.2	35

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19	Use of non-treated shrimp-shells for textile dye removal from wastewater. Journal of Environmental Chemical Engineering, 2016, 4, 4100-4106.	3.3	33
20	Ethanol steam reforming kinetics of a Pdâ€“Ag membrane reactor. International Journal of Hydrogen Energy, 2009, 34, 4747-4754.	3.8	32
21	Reforming of olive mill wastewater through a Pd-membrane reactor. International Journal of Hydrogen Energy, 2013, 38, 10252-10259.	3.8	31
22	Simulated solar photocatalytic processes for the simultaneous removal of EDDS, Cu(II), Fe(III) and Zn(II) in synthetic and real contaminated soil washing solutions. Journal of Environmental Chemical Engineering, 2014, 2, 1969-1979.	3.3	31
23	Modified Anaerobic Digestion Model No.1 for dry and semi-dry anaerobic digestion of solid organic waste. Environmental Technology (United Kingdom), 2015, 36, 870-880.	1.2	29
24	A review on the efficiency of landfarming integrated with composting as a soil remediation treatment. Environmental Technology Reviews, 2017, 6, 94-116.	2.1	29
25	Sequential application of soil washing and phytoremediation in the land of fires. Journal of Environmental Management, 2018, 206, 1081-1089.	3.8	29
26	Soil Washing Optimization, Recycling of the Solution, and Ecotoxicity Assessment for the Remediation of Pb-Contaminated Sites Using EDDS. Sustainability, 2018, 10, 636.	1.6	29
27	Current views on EDDS use for ex situ washing of potentially toxic metal contaminated soils. Reviews in Environmental Science and Biotechnology, 2013, 12, 391-398.	3.9	28
28	Mechanisms affecting the delayed efficiency of cement based stabilization/solidification processes. Journal of Cleaner Production, 2020, 261, 121230.	4.6	28
29	Modelling disinfection by-products formation in bromide-containing waters. Journal of Hazardous Materials, 2009, 168, 782-786.	6.5	27
30	Changes of the corrosion potential of iron in stagnation and flow conditions and their relationship with metal release. Water Research, 2014, 62, 136-146.	5.3	27
31	Assessment of trace heavy metals dynamics during the interaction of aqueous solutions with the artificial OECD soil: Evaluation of the effect of soil organic matter content and colloidal mobilization. Chemosphere, 2016, 163, 382-391.	4.2	27
32	A novel enrichment approach for anaerobic digestion of lignocellulosic biomass: Process performance enhancement through an inoculum habitat selection. Bioresource Technology, 2020, 313, 123703.	4.8	26
33	Pressure effect in ethanol steam reforming via dense Pd-based membranes. Journal of Membrane Science, 2011, 377, 65-74.	4.1	25
34	Ethylenediamine-N,Nâ€²-Disuccinic Acid (EDDS)â€”Enhanced Flushing Optimization for Contaminated Agricultural Soil Remediation and Assessment of Prospective Cu and Zn Transport. International Journal of Environmental Research and Public Health, 2018, 15, 543.	1.2	25
35	A simplified model to simulate bioaugmented anaerobic digestion of lignocellulosic biomass: Biogas production efficiency related to microbiological data. Science of the Total Environment, 2019, 691, 885-895.	3.9	25
36	Enhancing photo fermentative hydrogen production using ethanol rich dark fermentation effluents. International Journal of Hydrogen Energy, 2022, 47, 117-126.	3.8	24

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37	Effect of moisture on disintegration kinetics during anaerobic digestion of complex organic substrates. Waste Management and Research, 2014, 32, 40-48.	2.2	22
38	Spectroscopic in situ examination of interactions of rare earth ions with humic substances. Water Research, 2015, 68, 273-281.	5.3	20
39	Colloidal Mobilization and Fate of Trace Heavy Metals in Semi-Saturated Artificial Soil (OECD) Irrigated with Treated Wastewater. Sustainability, 2016, 8, 1257.	1.6	20
40	Catalytic reforming of olive mill wastewater and methane in a Pd-membrane reactor. International Journal of Hydrogen Energy, 2016, 41, 5465-5474.	3.8	20
41	Dynamics of bacterial communities and substrate conversion during olive-mill waste dark fermentation: Prediction of the metabolic routes for hydrogen production. Bioresource Technology, 2021, 319, 124157.	4.8	20
42	Assessment of metal pollution in the Lambro Creek (Italy). Ecotoxicology and Environmental Safety, 2018, 148, 754-762.	2.9	20
43	Methane production from anaerobic co-digestion of orange peel waste and organic fraction of municipal solid waste in batch and semi-continuous reactors. Biomass and Bioenergy, 2022, 160, 106421.	2.9	20
44	Hydrodynamic Mathematical Modelling of Aerobic Plug Flow and Nonideal Flow Reactors: A Critical and Historical Review. Critical Reviews in Environmental Science and Technology, 2014, 44, 2642-2673.	6.6	19
45	Calibration and Validation of a Two-Step Kinetic Mathematical Model for Predicting Cu Extraction Efficiency in an EDDS-Enhanced Soil Washing. Water, Air, and Soil Pollution, 2016, 227, 1.	1.1	19
46	Investigation of different ethylenediamine-N,Nâ€²-disuccinic acid-enhanced washing configurations for remediation of a Cu-contaminated soil: process kinetics and efficiency comparison between single-stage and multi-stage configurations. Environmental Science and Pollution Research, 2017, 24, 21960-21972.	2.7	19
47	Drinking water denitrification in membrane bioreactor/membrane contactor systems. Desalination, 2007, 210, 163-174.	4.0	18
48	An integrated programme for municipal solid waste management. Waste Management and Research, 2001, 19, 368-379.	2.2	17
49	Analysis of Heavy Metal Sources for Urban Creeks in the Czech Republic. Water, Air, and Soil Pollution, 2015, 226, 1.	1.1	17
50	Quorum quenching, biological characteristics, and microbial community dynamics as key factors for combating fouling of membrane bioreactors. Npj Clean Water, 2021, 4, .	3.1	17
51	Chromium removal from tannery wastewater using ground shrimp shells. Desalination and Water Treatment, 2010, 23, 194-198.	1.0	16
52	In situ and ex situ bioremediation of seleniferous soils from northwestern India. Journal of Soils and Sediments, 2019, 19, 762-773.	1.5	16
53	A preliminary study on a novel bioaugmentation technique enhancing lactic acid production by mixed cultures fermentation. Bioresource Technology, 2021, 340, 125595.	4.8	16
54	Thermal pretreatment of olive mill wastewater for efficient methane production: control of aromatic substances degradation by monitoring cyclohexane carboxylic acid. Environmental Technology (United Kingdom), 2015, 36, 1785-1794.	1.2	15

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55	Long-term multi-endpoint exposure of the microalga Raphidocelis subcapitata to lanthanum and cerium. Science of the Total Environment, 2021, 790, 148229.	3.9	15
56	Methane and VFA production in anaerobic digestion of rice straw under dry, semi-dry and wet conditions during start-up phase. Environmental Technology (United Kingdom), 2016, 37, 505-512.	1.2	14
57	Assessment of optimal conditions for the restoration and recovery of agricultural soil. Journal of Hazardous Materials, 2019, 373, 801-809.	6.5	14
58	Effect of organic matter release from natural cork used on bisphenol a removal from aqueous solution. Journal of Cleaner Production, 2020, 244, 118675.	4.6	13
59	Natural organic matterÂcontrols metal speciation and toxicity for marine organisms: a review. Environmental Chemistry Letters, 2022, 20, 797-812.	8.3	13
60	Carbon catabolite repression occurrence in photo fermentation of ethanol-rich substrates. Journal of Environmental Management, 2021, 297, 113371.	3.8	13
61	Bioremoval of Yttrium (III), Cerium (III), Europium (III), and Terbium (III) from Single and Quaternary Aqueous Solutions Using the Extremophile Galdieria sulphuraria (Galdieriaceae, Rhodophyta). Plants, 2022, 11, 1376.	1.6	13
62	Evaluating operational vacuum for landfill biogas extraction. Waste Management, 2007, 27, 1393-1399.	3.7	12
63	Differential absorbance study of interactions between europium, soil and aquatic NOM and model compounds. Chemosphere, 2019, 235, 96-103.	4.2	12
64	A comprehensive review of mathematical models of photo fermentation. Critical Reviews in Biotechnology, 2021, 41, 628-648.	5.1	12
65	Four-Substrate Design Model for Single Sludge Predenitrification System. Journal of Environmental Engineering, ASCE, 2003, 129, 394-401.	0.7	11
66	Modified Sample Preparation Approach for the Determination of the Phenolic and Humic-Like Substances in Natural Organic Materials By the Folin Ciocalteu Method. Journal of Agricultural and Food Chemistry, 2017, 65, 10666-10672.	2.4	11
67	Dewaterability of CAS and MBR Sludge: Effect of Biological Stability and EPS Composition. Journal of Environmental Engineering, ASCE, 2018, 144, .	0.7	11
68	Effect of sodium concentration on mobilization and fate of trace metals in standard OECD soil. Environmental Pollution, 2019, 250, 839-848.	3.7	11
69	Effects of chlorination on the fluorescence of seawater: Pronounced changes of emission intensity and their relationships with the formation of disinfection byproducts. Chemosphere, 2019, 218, 430-437.	4.2	11
70	Site Suitability Analysis for Low Cost Sensor Networks for Urban Spatially Dense Air Pollution Monitoring. Atmosphere, 2020, 11, 1215.	1.0	11
71	Use of chitosan for chromium removal from exhausted tanning baths. Water Science and Technology, 2008, 58, 735-739.	1.2	10
72	Current Views on Hydrodynamic Models of Nonideal Flow Anaerobic Reactors. Critical Reviews in Environmental Science and Technology, 2015, 45, 2175-2207.	6.6	10

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73	An integrated approach to energy production and nutrient recovery through anaerobic digestion of Vetiveria zizanoides. Biomass and Bioenergy, 2015, 81, 288-293.	2.9	10
74	Study of the Digestate as an Innovative and Low-Cost Adsorbent for the Removal of Dyes in Wastewater. Processes, 2020, 8, 852.	1.3	10
75	Evaluation of the potential for caesium transfer from contaminated soil to the food chain as a consequence of uptake by edible vegetables. Ecotoxicology and Environmental Safety, 2019, 171, 558-563.	2.9	9
76	Calibration and validation of an activated sludge model for membrane bioreactor wastewater treatment plants. Environmental Technology (United Kingdom), 2020, 41, 1923-1936.	1.2	9
77	Supramolecular aggregation of colloidal natural organic matter masks priority pollutants released in water from peat soil. Environmental Research, 2021, 195, 110761.	3.7	9
78	Use of solar radiation for continuous water disinfection in isolated areas. Environmental Technology (United Kingdom), 2012, 33, 539-544.	1.2	8
79	Determination of textile dyeing wastewater COD components by comparison with respirometry and fullâ€scale data. Environmental Technology (United Kingdom), 2010, 31, 1191-1201.	1.2	6
80	Optimization of Soil Washing to Reduce the Selenium Levels of Seleniferous Soil from Punjab, Northwestern India. Journal of Environmental Quality, 2018, 47, 1530-1537.	1.0	6
81	Numerical Investigation of a Methane Leakage from a Geothermal Well into a Shallow Aquifer. Ground Water, 2020, 58, 598-610.	0.7	6
82	Biological stability and dewaterability of CAS and MBR sludge. Desalination and Water Treatment, 2016, 57, 22926-22933.	1.0	5
83	Modelling the biological processes of MBR treatment plants. Desalination and Water Treatment, 2016, 57, 22960-22967.	1.0	4
84	Characterization of anthropogenic organic matter and its interaction with direct yellow 27 in wastewater: Experimental results and perspectives of resource recovery. Chemosphere, 2022, 286, 131528.	4.2	4
85	Designing and upgrading model of pre-denitrification systems. Clean Technologies and Environmental Policy, 2004, 6, 213.	2.1	3
86	Applying Numerical Models and Optimized Sensor Networks for Drinking Water Quality Control. Procedia Engineering, 2015, 119, 918-926.	1.2	3
87	Modeling Gaseous CO 2 Flow Behavior in LayeredÂBasalts: Dimensional Analysis andÂAquifer Response. Ground Water, 2021, 59, 677-693.	0.7	3
88	Modelling industrial waste management at regional scale. International Journal of Environment and Waste Management, 2011, 7, 279.	0.2	1
89	Optimization of the treatment cycle of pressed-off leachate produced in a facility processing the organic fraction of municipal solid waste. Environmental Technology (United Kingdom), 2015, 36, 1367-1372.	1.2	1
90	Effect of Cr(III) on process performances of MBR systems. Desalination and Water Treatment, 2015, 54, 2564-2569.	1.0	1

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91	Global Resources, Recovery, Reuse, Recycling and Conversion in Italy. Journal of Solid Waste Technology and Management, 2014, 39, 260-274.	0.2	1
92	Optimal Design of Predenitrification Systems. Water Environment Research, 2006, 78, 269-274.	1.3	0
93	THE PROPER SIZE OF ACTIVATED SLUDGE SYSTEMS AS A FUNCTION OF THE REQUIRED PERFORMANCES. Proceedings of the Water Environment Federation, 2007, 2007, 640-663.	0.0	0
94	Data of OECD soil and leachate resulting from irrigation with aqueous solution containing trace metals at increasing sodium concentration. Data in Brief, 2019, 25, 104276.	0.5	0