

Vincenzo Naddeo

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

139 papers	2,771 citations	28 h-index	46 g-index
167 ext. papers	3,630 ext. citations	5.8 avg, IF	6.02 L-index

#	Paper	IF	Citations
139	Review on endocrine disrupting-emerging compounds in urban wastewater: occurrence and removal by photocatalysis and ultrasonic irradiation for wastewater reuse. <i>Desalination</i> , 2007 , 215, 166-176	10.3	222
138	Ultrasonic degradation, mineralization and detoxification of diclofenac in water: optimization of operating parameters. <i>Ultrasonics Sonochemistry</i> , 2010 , 17, 179-85	8.9	128
137	Removal of emerging contaminants by simultaneous application of membrane ultrafiltration, activated carbon adsorption, and ultrasound irradiation. <i>Journal of Hazardous Materials</i> , 2014 , 264, 342-9	12.8	119
136	Fate of pharmaceuticals in contaminated urban wastewater effluent under ultrasonic irradiation. <i>Water Research</i> , 2009 , 43, 4019-27	12.5	115
135	Degradation of diclofenac during sonolysis, ozonation and their simultaneous application. <i>Ultrasonics Sonochemistry</i> , 2009 , 16, 790-4	8.9	88
134	Viruses in wastewater: occurrence, abundance and detection methods. <i>Science of the Total Environment</i> , 2020 , 745, 140910	10.2	79
133	Enhanced biogas production from anaerobic codigestion of solid waste by sonolysis. <i>Ultrasonics Sonochemistry</i> , 2012 , 19, 596-600	8.9	69
132	Behaviour of natural organic matter during ultrasonic irradiation. <i>Desalination</i> , 2007 , 210, 175-182	10.3	67
131	Wastewater disinfection by combination of ultrasound and ultraviolet irradiation. <i>Journal of Hazardous Materials</i> , 2009 , 168, 925-9	12.8	61
130	Applicability of the electrocoagulation process in treating real municipal wastewater containing pharmaceutical active compounds. <i>Journal of Hazardous Materials</i> , 2019 , 361, 367-373	12.8	53
129	Odour monitoring of small wastewater treatment plant located in sensitive environment. <i>Water Science and Technology</i> , 2008 , 58, 89-94	2.2	51
128	Control of emerging contaminants by the combination of electrochemical processes and membrane bioreactors. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 1103-1112	5.1	48
127	Synthesis of super hydrophilic cellulose-alpha zirconium phosphate ion exchange membrane via surface coating for the removal of heavy metals from wastewater. <i>Science of the Total Environment</i> , 2019 , 690, 167-180	10.2	46
126	Removal of Pharmaceuticals from Wastewater by Intermittent Electrocoagulation. <i>Water (Switzerland)</i> , 2017 , 9, 85	3	46
125	Environmental odour management by artificial neural network - A review. <i>Environment International</i> , 2019 , 133, 105189	12.9	45
124	Removal of emerging contaminant and fouling control in membrane bioreactors by combined ozonation and sonolysis. <i>International Biodeterioration and Biodegradation</i> , 2017 , 119, 577-586	4.8	41
123	Combination of Electrochemical Processes with Membrane Bioreactors for Wastewater Treatment and Fouling Control: A Review. <i>Frontiers in Environmental Science</i> , 2016 , 4,	4.8	41

122	Sonochemical control of fouling formation in membrane ultrafiltration of wastewater: Effect of ultrasonic frequency. <i>Journal of Water Process Engineering</i> , 2015 , 8, e92-e97	6.7	40
121	Sonochemical degradation of twenty-three emerging contaminants in urban wastewater. <i>Desalination and Water Treatment</i> , 2013 , 51, 6601-6608		38
120	Application of electrochemical processes to membrane bioreactors for improving nutrient removal and fouling control. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 321-333	5.1	38
119	Preparation of novel polyvinylidene fluoride (PVDF)-Tin(IV) oxide (SnO ₂) ion exchange mixed matrix membranes for the removal of heavy metals from aqueous solutions. <i>Separation and Purification Technology</i> , 2020 , 250, 117250	8.3	36
118	River water quality assessment: Implementation of non-parametric tests for sampling frequency optimization. <i>Land Use Policy</i> , 2013 , 30, 197-205	5.6	36
117	Effect of sonolysis on waste activated sludge solubilisation and anaerobic biodegradability. <i>Desalination</i> , 2009 , 249, 762-767	10.3	35
116	Wastewater treatment by membrane ultrafiltration enhanced with ultrasound: Effect of membrane flux and ultrasonic frequency. <i>Ultrasonics</i> , 2018 , 83, 42-47	3.5	33
115	Enhanced drinking water supply through harvested rainwater treatment. <i>Journal of Hydrology</i> , 2013 , 498, 287-291	6	32
114	Removal of contaminants of emerging concern from real wastewater by an innovative hybrid membrane process - UltraSound, Adsorption, and Membrane ultrafiltration (USAMe [®]). <i>Ultrasonics Sonochemistry</i> , 2020 , 68, 105237	8.9	30
113	Enhanced ozonation of selected pharmaceutical compounds by sonolysis. <i>Environmental Technology (United Kingdom)</i> , 2015 , 36, 1876-83	2.6	29
112	New Sustainable Approach for the Production of Fe ₃ O ₄ /Graphene Oxide-Activated Persulfate System for Dye Removal in Real Wastewater. <i>Water (Switzerland)</i> , 2020 , 12, 733	3	28
111	Are pharmaceuticals removal and membrane fouling in electromembrane bioreactor affected by current density?. <i>Science of the Total Environment</i> , 2019 , 692, 732-740	10.2	27
110	River water quality assessment: A comparison of binary- and fuzzy logic-based approaches. <i>Ecological Engineering</i> , 2012 , 47, 132-140	3.9	27
109	A critical review on nanomaterials membrane bioreactor (NMs-MBR) for wastewater treatment. <i>Npj Clean Water</i> , 2020 , 3,	11.2	25
108	Polyvinylidene fluoride (PVDF)-Zirconium phosphate (ZrP) nanoparticles based mixed matrix membranes for removal of heavy metal ions. <i>Chemosphere</i> , 2021 , 267, 128896	8.4	25
107	Correlation between bacterial community structure and performance efficiency of a full-scale wastewater treatment plant. <i>Journal of Water Process Engineering</i> , 2020 , 37, 101472	6.7	24
106	Degradation of Antibiotics in Wastewater during Sonolysis, Ozonation, and Their Simultaneous Application: Operating Conditions Effects and Processes Evaluation. <i>International Journal of Photoenergy</i> , 2012 , 2012, 1-7	2.1	24
105	A comparative approach to the variation of natural elements in Italian bottled waters according to the national and international standard limits. <i>Journal of Food Composition and Analysis</i> , 2008 , 21, 505-514 ¹	14.1	24

104	Coronavirus in water media: Analysis, fate, disinfection and epidemiological applications. <i>Journal of Hazardous Materials</i> , 2021 , 415, 125580	12.8	24
103	Microbial fuel cell technology as a downstream process of a membrane bioreactor for sludge reduction. <i>Chemical Engineering Journal</i> , 2017 , 326, 222-230	14.7	23
102	Optimization of sampling frequency for river water quality assessment according to Italian implementation of the EU Water Framework Directive. <i>Environmental Science and Policy</i> , 2007 , 10, 243-249	6.3	23
101	Dynamic and embedded evaluation procedure for strategic environmental assessment. <i>Land Use Policy</i> , 2013 , 31, 605-612	5.6	22
100	Instrumental characterization of odour: a combination of olfactory and analytical methods. <i>Water Science and Technology</i> , 2009 , 59, 1603-9	2.2	22
99	Indoor versus outdoor transmission of SARS-COV-2: environmental factors in virus spread and underestimated sources of risk. <i>Euro-Mediterranean Journal for Environmental Integration</i> , 2021 , 6, 30	1.7	21
98	Control of quorum sensing signals and emerging contaminants in electrochemical membrane bioreactors. <i>Bioresource Technology</i> , 2018 , 269, 89-95	11	20
97	Fouling control in a gravity-driven membrane (GDM) bioreactor treating primary wastewater by using relaxation and/or air scouring. <i>Journal of Membrane Science</i> , 2020 , 610, 118261	9.6	19
96	Comparative evaluation of a biotrickling filter and a tubular photobioreactor for the continuous abatement of toluene. <i>Journal of Hazardous Materials</i> , 2019 , 380, 120860	12.8	19
95	Sustainable power plants: A support tool for the analysis of alternatives. <i>Land Use Policy</i> , 2014 , 36, 478-484	3.4	19
94	Highly robust and efficient Ti-based Sb-SnO ₂ anode with a mixed carbon and nitrogen interlayer for electrochemical 1,4-dioxane removal from water. <i>Chemical Engineering Journal</i> , 2020 , 393, 124794	14.7	19
93	Sustainability of urban regeneration projects: Novel selection model based on analytic network process and zero-one goal programming. <i>Land Use Policy</i> , 2020 , 99, 104831	5.6	18
92	Assessment of Microbial Community Structure and Function in Serially Passaged Wastewater Electro-Bioreactor Sludge: An Approach to Enhance Sludge Settleability. <i>Scientific Reports</i> , 2018 , 8, 70134	4.9	18
91	Innovative membrane photobioreactor for sustainable CO capture and utilization. <i>Chemosphere</i> , 2021 , 273, 129682	8.4	18
90	Influence of ultrasound on phenol removal by adsorption on granular activated carbon. <i>Desalination and Water Treatment</i> , 2010 , 23, 181-186		17
89	Multi-parametric water quality monitoring approach according to the WFD application in Evros trans-boundary river basin: priority pollutants. <i>Desalination</i> , 2008 , 226, 306-320	10.3	17
88	Efficient Degradation of Mordant Blue 9 Using the Fenton-Activated Persulfate System. <i>Water (Switzerland)</i> , 2019 , 11, 2532	3	17
87	Highly efficient removal of bisphenol A by a novel Co-doped LaFeO perovskite/PMS system in salinity water. <i>Science of the Total Environment</i> , 2021 , 801, 149490	10.2	17

86	Synthesis of polyethersulfone (PES)/GO-SiO mixed matrix membranes for oily wastewater treatment. <i>Water Science and Technology</i> , 2020 , 81, 1354-1364	2.2	16
85	FeOOH quantum dots impregnated graphene oxide hybrids enhanced arsenic adsorption: The mediation role of environmental organic ligands. <i>Science of the Total Environment</i> , 2021 , 781, 146726	10.2	16
84	Water quality and resource management in the dairy industry. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 1208-1216	5.1	15
83	Photolysis of Mono- and Dichloramines in UV/Hydrogen Peroxide: Effects on 1,4-Dioxane Removal and Relevance in Water Reuse. <i>Environmental Science & Technology</i> , 2018 , 52, 11720-11727	10.3	15
82	Preparation of TiO/SiO ceramic membranes via dip coating for the treatment of produced water. <i>Chemosphere</i> , 2021 , 273, 129684	8.4	13
81	Wastewater treatment and fouling control in an electro algae-activated sludge membrane bioreactor. <i>Science of the Total Environment</i> , 2021 , 786, 147475	10.2	13
80	Ecological status of rivers in preserved areas: Effects of meteorological parameters. <i>Ecological Engineering</i> , 2013 , 53, 173-182	3.9	12
79	Control of odour emission in wastewater treatment plants by direct and undirected measurement of odour emission capacity. <i>Water Science and Technology</i> , 2012 , 66, 1627-33	2.2	12
78	Development of Polyethersulfone/Zirconium phosphate (PES/PZrP) flat-sheet nanocomposite ultrafiltration membranes. <i>Chemical Engineering Research and Design</i> , 2020 , 161, 206-217	5.5	12
77	A bifunctional FeOOH@GCA nanocomposite for enhanced adsorption of arsenic and photo Fenton-like catalytic conversion of As(III). <i>Environmental Technology and Innovation</i> , 2021 , 22, 101437	7	12
76	Adsorption, kinetics, and thermodynamic studies of cacao husk extracts in waterless sustainable dyeing of cotton fabric. <i>Cellulose</i> , 2021 , 28, 2521-2536	5.5	12
75	Detection and removal of waterborne enteric viruses from wastewater: A comprehensive review. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105613	6.8	12
74	Synthesis of polydopamine coated tungsten oxide@ poly(vinylidene fluoride-co-hexafluoropropylene) electrospun nanofibers as multifunctional membranes for water applications. <i>Chemical Engineering Journal</i> , 2022 , 427, 131021	14.7	12
73	Control of fouling formation in membrane ultrafiltration by ultrasound irradiation. <i>Environmental Technology (United Kingdom)</i> , 2015 , 36, 1299-307	2.6	11
72	Efficient and sustainable treatment of tannery wastewater by a sequential electrocoagulation-UV photolytic process. <i>Journal of Water Process Engineering</i> , 2020 , 38, 101642	6.7	11
71	Next-generation of instrumental odour monitoring system (IOMS) for the gaseous emissions control in complex industrial plants. <i>Chemosphere</i> , 2021 , 271, 129768	8.4	10
70	Advances in technological control of greenhouse gas emissions from wastewater in the context of circular economy. <i>Science of the Total Environment</i> , 2021 , 792, 148479	10.2	10
69	Highly selective heavy metal ions membranes combining sulfonated polyethersulfone and self-assembled manganese oxide nanosheets on positively functionalized graphene oxide nanosheets. <i>Chemical Engineering Journal</i> , 2022 , 428, 131267	14.7	10

68	2012,			10
67	Synergistic effect of humic acid on alkali pretreatment of sugarcane bagasse for the recovery of lignin with phenomenal properties. <i>Biomass and Bioenergy</i> , 2020 , 134, 105486	5.3		8
66	Chitosan-functionalized sodium alginate-based electrospun nanofiber membrane for As (III) removal from aqueous solution. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 106693	6.8		8
65	Factors influencing pressure-driven membrane-assisted volatile fatty acids recovery and purification-A review.. <i>Science of the Total Environment</i> , 2022 , 817, 152993	10.2		7
64	Comparative technology assessment of anaerobic digestion of organic fraction of MSW 2010 ,			7
63	Odour control strategies for a sustainable nuisances action plan. <i>Global Nest Journal</i> , 2016 , 18, 734-741	1.4		7
62	Performance analysis of a capacitive deionization stack for brackish water desalination. <i>Desalination</i> , 2021 , 501, 114912	10.3		7
61	Tertiary filtration in small wastewater treatment plants. <i>Water Science and Technology</i> , 2007 , 55, 219-252	2.2		6
60	Cost-effective removal of COD in the pre-treatment of wastewater from the paper industry. <i>Water Science and Technology</i> , 2020 , 81, 1345-1353	2.2		6
59	Sustainable Treatment of Food Industry Wastewater Using Membrane Technology: A Short Review. <i>Water (Switzerland)</i> , 2021 , 13, 3450	3		6
58	Ultrasonic processes for the advanced remediation of contaminated sediments. <i>Ultrasonics Sonochemistry</i> , 2020 , 67, 105171	8.9		5
57	Control of fouling in MBRs through nanospheres addition. <i>Desalination and Water Treatment</i> , 2015 , 55, 702-711			5
56	Strategies for Odour Control 2012 , 85-124			5
55	Fuzzy-Assisted Ultrafiltration of Wastewater from Milk Industries. <i>Advances in Science, Technology and Innovation</i> , 2020 , 239-242	0.3		5
54	Optimization of Classification Prediction Performances of an Instrumental Odour Monitoring System by Using Temperature Correction Approach. <i>Chemosensors</i> , 2021 , 9, 147	4		5
53	Fouling Mitigation and Wastewater Treatment Enhancement through the Application of an Electro Moving Bed Membrane Bioreactor (eMB-MBR). <i>Membranes</i> , 2018 , 8,	3.8		5
52	A novel tool for odor emission assessment in wastewater treatment plant. <i>Desalination and Water Treatment</i> , 2015 , 55, 712-717			4
51	Instrumental Odour Monitoring System Classification Performance Optimization by Analysis of Different Pattern-Recognition and Feature Extraction Techniques. <i>Sensors</i> , 2020 , 21,	3.8		4

50	Efficient Cu removal from CuEDTA complex-containing wastewater using electrochemically controlled sacrificial iron anode. <i>Chemosphere</i> , 2021 , 264, 128573	8.4	4
49	Ag nanoparticles immobilized sulfonated polyethersulfone/polyethersulfone electrospun nanofiber membrane for the removal of heavy metals.. <i>Scientific Reports</i> , 2022 , 12, 5814	4.9	4
48	Advanced membrane bioreactors for emerging contaminant removal and quorum sensing control 2020 , 117-147		3
47	Fuzzy-assisted ultrafiltration of whey by-products recovery. <i>Euro-Mediterranean Journal for Environmental Integration</i> , 2020 , 5, 1	1.7	3
46	New generation washable PES membrane face mask for virus filtration. <i>Nanocomposites</i> , 2022 , 8, 13-23	3.4	3
45	Characterization of odours emitted by liquid waste treatment plants (LWTPs). <i>Global Nest Journal</i> , 2016 , 18, 721-727	1.4	3
44	Abatement of odour emissions by UV/Ozone oxidation process. <i>Global Nest Journal</i> , 2018 , 20, 669-673	1.4	3
43	Environmental odour monitoring by Electronic Nose. <i>Global Nest Journal</i> , 2018 , 20, 664-668	1.4	3
42	WaterEnergy Nexus: Evaluation of the Environmental Impact on the National and International Scenarios. <i>Advances in Science, Technology and Innovation</i> , 2020 , 33-35	0.3	3
41	Self-forming Dynamic Membranes for Wastewater Treatment. <i>Separation and Purification Reviews</i> , 1-17	7.3	3
40	Combination of wet fixation and drying treatments to improve dye fixation onto spray-dyed cotton fabric. <i>Scientific Reports</i> , 2021 , 11, 15403	4.9	3
39	Innovative encapsulated self-forming dynamic bio-membrane bioreactor (ESFDMBR) for efficient wastewater treatment and fouling control. <i>Science of the Total Environment</i> , 2022 , 805, 150296	10.2	3
38	Recent developments in hazardous pollutants removal from wastewater and water reuse within a circular economy. <i>Npj Clean Water</i> , 2022 , 5,	11.2	3
37	Numerical modeling of an integrated OMBR-NF hybrid system for simultaneous wastewater reclamation and brine management. <i>Euro-Mediterranean Journal for Environmental Integration</i> , 2019 , 4, 1	1.7	2
36	Odour Characterization and Exposure Effects 2012 , 7-29		2
35	Asymmetrical ultrafiltration membranes based on polylactic acid for the removal of organic substances from wastewater. <i>Journal of Water Process Engineering</i> , 2022 , 45, 102510	6.7	2
34	Membrane Technology in Wastewater Treatments. <i>Journal of Hydrogeology and Hydrologic Engineering</i> , 2012 , 01,		2
33	Amino-functionalized mesoporous nano-silica/polyvinylidene fluoride composite as efficient ultrafiltration membrane 2015 , 63-75		2

32	An Electro Moving Bed Membrane Bioreactor (eMB-MBR) as a Novel Technology for Wastewater Treatment and Reuse. <i>Lecture Notes in Civil Engineering</i> , 2017 , 159-164	0.3	2
31	Textile waste management and environmental concerns 2021 , 719-739		2
30	Double-stage membrane-assisted anaerobic digestion process intensification for production and recovery of volatile fatty acids from food waste.. <i>Science of the Total Environment</i> , 2022 , 154084	10.2	2
29	One-Step Fabrication of Novel Polyethersulfone-Based Composite Electrospun Nanofiber Membranes for Food Industry Wastewater Treatment.. <i>Membranes</i> , 2022 , 12,	3.8	2
28	Dispersion Modelling for Odour Exposure Assessment 2012 , 125-174		1
27	Odour Regulation and Policies 2012 , 175-186		1
26	Case Studies for Assessment, Control and Prediction of Odour Impact 2012 , 205-283		1
25	Procedures for Odour Impact Assessment 2012 , 187-203		1
24	Instruments and Methods for Odour Sampling and Measurement 2012 , 31-83		1
23	Integrated electrochemical-adsorption process for the removal of trace heavy metals from wastewater. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021 , 4, 100147	7.5	1
22	Environmental Odour Nuisance Assessment in Urbanized Area: Analysis and Comparison of Different and Integrated Approaches. <i>Atmosphere</i> , 2021 , 12, 690	2.7	1
21	Development of green polylactic acid asymmetric ultrafiltration membranes for nutrient removal.. <i>Science of the Total Environment</i> , 2022 , 824, 153869	10.2	1
20	Full-Scale Odor Abatement Technologies in Wastewater Treatment Plants (WWTPs): A Review. <i>Water (Switzerland)</i> , 2021 , 13, 3503	3	1
19	An integrated algal membrane photobioreactor as a green-transition technology for the carbon capture and utilization. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107344	6.8	0
18	Cyanide Removal and Recovery by Electrochemical Crystallization Process. <i>Water (Switzerland)</i> , 2021 , 13, 2704	3	0
17	Self-Forming Dynamic Membrane: A Review. <i>Advances in Science, Technology and Innovation</i> , 2020 , 129-133		0
16	Environmental Odour Quantification by IOMS: Parametric vs. Non-Parametric Prediction Techniques. <i>Chemosensors</i> , 2021 , 9, 183	4	0
15	Impact of electrodesTconfiguration in an electrokinetic cell for oil-water separation. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021 , 4, 100135	7.5	0

14	Optimization of an rGO-based biosensor for the sensitive detection of bovine serum albumin: Effect of electric field on detection capability.. <i>Chemosphere</i> , 2022 , 134700	8.4	o
13	Tuning the structure of cerium-based metal-organic frameworks for efficient removal of arsenic species: The role of organic ligands.. <i>Chemosphere</i> , 2022 , 134934	8.4	o
12	Fabrication of polyethersulfone/polyacrylonitrile electrospun nanofiber membrane for food industry wastewater treatment. <i>Journal of Water Process Engineering</i> , 2022 , 47, 102838	6.7	o
11	Wastewater Treatment and Energy Production Through Electro Membrane Bioreactors. <i>Advances in Science, Technology and Innovation</i> , 2018 , 15-17	0.3	
10	Odour monitoring by novel multi-sensor array system. <i>Proceedings of the Water Environment Federation</i> , 2014 , 2014, 1-9		
9	Numerical Modelling of Integrated OMBR-NF Hybrid System for Simultaneous Wastewater Reclamation and Brine Management. <i>Advances in Science, Technology and Innovation</i> , 2020 , 165-168	0.3	
8	Degradation of Gaseous VOCs by Ultrasonication: Effect of Water Recirculation and Ozone Addition. <i>Advances in Science, Technology and Innovation</i> , 2020 , 333-336	0.3	
7	Cost-Effective Removal of COD in the Pre-treatment of Wastewater from Paper Industry. <i>Advances in Science, Technology and Innovation</i> , 2020 , 473-475	0.3	
6	Hydrogen Production in Electro Membrane Bioreactors. <i>Advances in Science, Technology and Innovation</i> , 2020 , 85-87	0.3	
5	Influence of Membrane Flux, Ultrasonic Frequency and Recycle Ratio in the Hybrid Process USAMe. <i>Advances in Science, Technology and Innovation</i> , 2020 , 133-135	0.3	
4	A comparative technology assessment of the anaerobic digestion of an organic fraction of municipal solid waste. <i>WIT Transactions on State-of-the-art in Science and Engineering</i> , 2014 , 145-156		
3	Tap water as a source of indoor radon in houses. <i>MATEC Web of Conferences</i> , 2018 , 174, 01034	0.3	
2	Advanced Configuration for Efficient Membrane Bioreactors. <i>Handbook of Environmental Chemistry</i> , 2022 , 1	0.8	
1	Electrochemical membrane bioreactors for wastewater treatment 2022 , 163-194		