Vincenzo Naddeo

List of Publications by Year in Descending Order

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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	New generation washable PES membrane face mask for virus filtration. *Nanocomposites*, **2022**, 8, 13-23	3.4	3
138	Factors influencing pressure-driven membrane-assisted volatile fatty acids recovery and purification-A review.. *Science of the Total Environment*, **2022**, 817, 152993	10.2	7
137	An integrated algal membrane photobioreactor as a green-transition technology for the carbon capture and utilization. *Journal of Environmental Chemical Engineering*, **2022**, 10, 107344	6.8	0
136	Asymmetrical ultrafiltration membranes based on polylactic acid for the removal of organic substances from wastewater. *Journal of Water Process Engineering*, **2022**, 45, 102510	6.7	2
135	Innovative encapsulated self-forming dynamic bio-membrane bioreactor (ESFDMBR) for efficient wastewater treatment and fouling control. *Science of the Total Environment*, **2022**, 805, 150296	10.2	3
134	Synthesis of polydopamine coated tungsten oxide@ poly(vinylidene fluoride-co-hexafluoropropylene) electrospun nanofibers as multifunctional membranes for water applications. *Chemical Engineering Journal*, **2022**, 427, 131021	14.7	12
133	Highly selective heavy metal ions membranes combining sulfonated polyethersulfone and self-assembled manganese oxide nanosheets on positively functionalized graphene oxide nanosheets. *Chemical Engineering Journal*, **2022**, 428, 131267	14.7	10
132	Ag nanoparticles immobilized sulfonated polyethersulfone/polyethersulfone electrospun nanofiber membrane for the removal of heavy metals.. *Scientific Reports*, **2022**, 12, 5814	4.9	4
131	Double-stage membrane-assisted anaerobic digestion process intensification for production and recovery of volatile fatty acids from food waste.. *Science of the Total Environment*, **2022**, 154084	10.2	2
130	Development of green polylactic acid asymmetric ultrafiltration membranes for nutrient removal.. *Science of the Total Environment*, **2022**, 824, 153869	10.2	1
129	Advanced Configuration for Efficient Membrane Bioreactors. *Handbook of Environmental Chemistry*, **2022**, 1	0.8	
128	Electrochemical membrane bioreactors for wastewater treatment **2022**, 163-194		
127	Recent developments in hazardous pollutants removal from wastewater and water reuse within a circular economy. *Npj Clean Water*, **2022**, 5,	11.2	3
126	One-Step Fabrication of Novel Polyethersulfone-Based Composite Electrospun Nanofiber Membranes for Food Industry Wastewater Treatment.. *Membranes*, **2022**, 12,	3.8	2
125	Optimization of an rGO-based biosensor for the sensitive detection of bovine serum albumin: Effect of electric field on detection capability.. *Chemosphere*, **2022**, 134700	8.4	0
124	Tuning the structure of cerium-based metal-organic frameworks for efficient removal of arsenic species: The role of organic ligands.. *Chemosphere*, **2022**, 134934	8.4	0
123	Fabrication of polyethersulfone/polyacrylonitrile electrospun nanofiber membrane for food industry wastewater treatment. *Journal of Water Process Engineering*, **2022**, 47, 102838	6.7	0

122	Cyanide Removal and Recovery by Electrochemical Crystallization Process. *Water (Switzerland)*, **2021**, 13, 2704	3	0
121	Integrated electrochemical-adsorption process for the removal of trace heavy metals from wastewater. *Case Studies in Chemical and Environmental Engineering*, **2021**, 4, 100147	7.5	1
120	Chitosan-functionalized sodium alginate-based electrospun nanofiber membrane for As (III) removal from aqueous solution. *Journal of Environmental Chemical Engineering*, **2021**, 106693	6.8	8
119	Performance analysis of a capacitive deionization stack for brackish water desalination. *Desalination*, **2021**, 501, 114912	10.3	7
118	A bifunctional □FeOOH@GCA nanocomposite for enhanced adsorption of arsenic and photo Fenton-like catalytic conversion of As(III). *Environmental Technology and Innovation*, **2021**, 22, 101437	7	12
117	Next-generation of instrumental odour monitoring system (IOMS) for the gaseous emissions control in complex industrial plants. *Chemosphere*, **2021**, 271, 129768	8.4	10
116	Environmental Odour Nuisance Assessment in Urbanized Area: Analysis and Comparison of Different and Integrated Approaches. *Atmosphere*, **2021**, 12, 690	2.7	1
115	Preparation of TiO/SiO ceramic membranes via dip coating for the treatment of produced water. *Chemosphere*, **2021**, 273, 129684	8.4	13
114	Innovative membrane photobioreactor for sustainable CO capture and utilization. *Chemosphere*, **2021**, 273, 129682	8.4	18
113	Optimization of Classification Prediction Performances of an Instrumental Odour Monitoring System by Using Temperature Correction Approach. *Chemosensors*, **2021**, 9, 147	4	5
112	Combination of wet fixation and drying treatments to improve dye fixation onto spray-dyed cotton fabric. *Scientific Reports*, **2021**, 11, 15403	4.9	3
111	Environmental Odour Quantification by IOMS: Parametric vs. Non-Parametric Prediction Techniques. *Chemosensors*, **2021**, 9, 183	4	0
110	Polyvinylidene fluoride (PVDF)-□irconium phosphate (□ZrP) nanoparticles based mixed matrix membranes for removal of heavy metal ions. *Chemosphere*, **2021**, 267, 128896	8.4	25
109	Efficient Cu removal from CuEDTA complex-containing wastewater using electrochemically controlled sacrificial iron anode. *Chemosphere*, **2021**, 264, 128573	8.4	4
108	Textile waste management and environmental concerns **2021**, 719-739		2
107	Adsorption, kinetics, and thermodynamic studies of cacao husk extracts in waterless sustainable dyeing of cotton fabric. *Cellulose*, **2021**, 28, 2521-2536	5.5	12
106	Indoor versus outdoor transmission of SARS-COV-2: environmental factors in virus spread and underestimated sources of risk. *Euro-Mediterranean Journal for Environmental Integration*, **2021**, 6, 30	1.7	21
105	Detection and removal of waterborne enteric viruses from wastewater: A comprehensive review. *Journal of Environmental Chemical Engineering*, **2021**, 9, 105613	6.8	12

104	Coronavirus in water media: Analysis, fate, disinfection and epidemiological applications. *Journal of Hazardous Materials*, **2021**, 415, 125580	12.8	24
103	FeOOH quantum dots impregnated graphene oxide hybrids enhanced arsenic adsorption: The mediation role of environmental organic ligands. *Science of the Total Environment*, **2021**, 781, 146726	10.2	16
102	Wastewater treatment and fouling control in an electro algae-activated sludge membrane bioreactor. *Science of the Total Environment*, **2021**, 786, 147475	10.2	13
101	Advances in technological control of greenhouse gas emissions from wastewater in the context of circular economy. *Science of the Total Environment*, **2021**, 792, 148479	10.2	10
100	Impact of electrodesTconfiguration in an electrokinetic cell for oil-water separation. *Case Studies in Chemical and Environmental Engineering*, **2021**, 4, 100135	7.5	0
99	Highly efficient removal of bisphenol A by a novel Co-doped LaFeO perovskite/PMS system in salinity water. *Science of the Total Environment*, **2021**, 801, 149490	10.2	17
98	Sustainable Treatment of Food Industry Wastewater Using Membrane Technology: A Short Review. *Water (Switzerland)*, **2021**, 13, 3450	3	6
97	Full-Scale Odor Abatement Technologies in Wastewater Treatment Plants (WWTPs): A Review. *Water (Switzerland)*, **2021**, 13, 3503	3	1
96	Fouling control in a gravity-driven membrane (GDM) bioreactor treating primary wastewater by using relaxation and/or air scouring. *Journal of Membrane Science*, **2020**, 610, 118261	9.6	19
95	Ultrasonic processes for the advanced remediation of contaminated sediments. *Ultrasonics Sonochemistry*, **2020**, 67, 105171	8.9	5
94	Preparation of novel polyvinylidene fluoride (PVDF)-Tin(IV) oxide (SnO2) ion exchange mixed matrix membranes for the removal of heavy metals from aqueous solutions. *Separation and Purification Technology*, **2020**, 250, 117250	8.3	36
93	New Sustainable Approach for the Production of Fe3O4/Graphene Oxide-Activated Persulfate System for Dye Removal in Real Wastewater. *Water (Switzerland)*, **2020**, 12, 733	3	28
92	Advanced membrane bioreactors for emerging contaminant removal and quorum sensing control **2020**, 117-147		3
91	Sustainability of urban regeneration projects: Novel selection model based on analytic network process and zero-one goal programming. *Land Use Policy*, **2020**, 99, 104831	5.6	18
90	Correlation between bacterial community structure and performance efficiency of a full-scale wastewater treatment plant. *Journal of Water Process Engineering*, **2020**, 37, 101472	6.7	24
89	Removal of contaminants of emerging concern from real wastewater by an innovative hybrid membrane process - UltraSound, Adsorption, and Membrane ultrafiltration (USAME). *Ultrasonics Sonochemistry*, **2020**, 68, 105237	8.9	30
88	Synergistic effect of humic acid on alkali pretreatment of sugarcane bagasse for the recovery of lignin with phenomenal properties. *Biomass and Bioenergy*, **2020**, 134, 105486	5.3	8
87	Fuzzy-assisted ultrafiltration of whey by-products recovery. *Euro-Mediterranean Journal for Environmental Integration*, **2020**, 5, 1	1.7	3

86	Instrumental Odour Monitoring System Classification Performance Optimization by Analysis of Different Pattern-Recognition and Feature Extraction Techniques. *Sensors*, **2020**, 21,	3.8	4
85	Self-Forming Dynamic Membrane: A Review. *Advances in Science, Technology and Innovation*, **2020**, 129-132	0.3	0
84	Numerical Modelling of Integrated OMBR-NF Hybrid System for Simultaneous Wastewater Reclamation and Brine Management. *Advances in Science, Technology and Innovation*, **2020**, 165-168	0.3	
83	Degradation of Gaseous VOCs by Ultrasonication: Effect of Water Recirculation and Ozone Addition. *Advances in Science, Technology and Innovation*, **2020**, 333-336	0.3	
82	Water□Energy Nexus: Evaluation of the Environmental Impact on the National and International Scenarios. *Advances in Science, Technology and Innovation*, **2020**, 33-35	0.3	3
81	Cost-Effective Removal of COD in the Pre-treatment of Wastewater from Paper Industry. *Advances in Science, Technology and Innovation*, **2020**, 473-475	0.3	
80	Hydrogen Production in Electro Membrane Bioreactors. *Advances in Science, Technology and Innovation*, **2020**, 85-87	0.3	
79	Influence of Membrane Flux, Ultrasonic Frequency and Recycle Ratio in the Hybrid Process USAMe. *Advances in Science, Technology and Innovation*, **2020**, 133-135	0.3	
78	Fuzzy-Assisted Ultrafiltration of Wastewater from Milk Industries. *Advances in Science, Technology and Innovation*, **2020**, 239-242	0.3	5
77	Highly robust and efficient Ti-based Sb-SnO2 anode with a mixed carbon and nitrogen interlayer for electrochemical 1,4-dioxane removal from water. *Chemical Engineering Journal*, **2020**, 393, 124794	14.7	19
76	Synthesis of polyethersulfone (PES)/GO-SiO mixed matrix membranes for oily wastewater treatment. *Water Science and Technology*, **2020**, 81, 1354-1364	2.2	16
75	Efficient and sustainable treatment of tannery wastewater by a sequential electrocoagulation-UV photolytic process. *Journal of Water Process Engineering*, **2020**, 38, 101642	6.7	11
74	Viruses in wastewater: occurrence, abundance and detection methods. *Science of the Total Environment*, **2020**, 745, 140910	10.2	79
73	Development of Polyethersulfone/□Zirconium phosphate (PES/□ZrP) flat-sheet nanocomposite ultrafiltration membranes. *Chemical Engineering Research and Design*, **2020**, 161, 206-217	5.5	12
72	A critical review on nanomaterials membrane bioreactor (NMs-MBR) for wastewater treatment. *Npj Clean Water*, **2020**, 3,	11.2	25
71	Cost-effective removal of COD in the pre-treatment of wastewater from the paper industry. *Water Science and Technology*, **2020**, 81, 1345-1353	2.2	6
70	Applicability of the electrocoagulation process in treating real municipal wastewater containing pharmaceutical active compounds. *Journal of Hazardous Materials*, **2019**, 361, 367-373	12.8	53
69	Synthesis of super hydrophilic cellulose-alpha zirconium phosphate ion exchange membrane via surface coating for the removal of heavy metals from wastewater. *Science of the Total Environment*, **2019**, 690, 167-180	10.2	46

68	Are pharmaceuticals removal and membrane fouling in electromembrane bioreactor affected by current density?. *Science of the Total Environment*, **2019**, 692, 732-740	10.2	27
67	Numerical modeling of an integrated OMBR-NF hybrid system for simultaneous wastewater reclamation and brine management. *Euro-Mediterranean Journal for Environmental Integration*, **2019**, 4, 1	1.7	2
66	Comparative evaluation of a biotrickling filter and a tubular photobioreactor for the continuous abatement of toluene. *Journal of Hazardous Materials*, **2019**, 380, 120860	12.8	19
65	Environmental odour management by artificial neural network - A review. *Environment International*, **2019**, 133, 105189	12.9	45
64	Efficient Degradation of Mordant Blue 9 Using the Fenton-Activated Persulfate System. *Water (Switzerland)*, **2019**, 11, 2532	3	17
63	Water quality and resource management in the dairy industry. *Environmental Science and Pollution Research*, **2019**, 26, 1208-1216	5.1	15
62	Control of emerging contaminants by the combination of electrochemical processes and membrane bioreactors. *Environmental Science and Pollution Research*, **2019**, 26, 1103-1112	5.1	48
61	Wastewater Treatment and Energy Production Through Electro Membrane Bioreactors. *Advances in Science, Technology and Innovation*, **2018**, 15-17	0.3	
60	Wastewater treatment by membrane ultrafiltration enhanced with ultrasound: Effect of membrane flux and ultrasonic frequency. *Ultrasonics*, **2018**, 83, 42-47	3.5	33
59	Assessment of Microbial Community Structure and Function in Serially Passaged Wastewater Electro-Bioreactor Sludge: An Approach to Enhance Sludge Settleability. *Scientific Reports*, **2018**, 8, 7013	4.9	18
58	Control of quorum sensing signals and emerging contaminants in electrochemical membrane bioreactors. *Bioresource Technology*, **2018**, 269, 89-95	11	20
57	Abatement of odour emissions by UV/Ozone oxidation process. *Global Nest Journal*, **2018**, 20, 669-673	1.4	3
56	Environmental odour monitoring by Electronic Nose. *Global Nest Journal*, **2018**, 20, 664-668	1.4	3
55	Tap water as a source of indoor radon in houses. *MATEC Web of Conferences*, **2018**, 174, 01034	0.3	
54	Fouling Mitigation and Wastewater Treatment Enhancement through the Application of an Electro Moving Bed Membrane Bioreactor (eMB-MBR). *Membranes*, **2018**, 8,	3.8	5
53	Photolysis of Mono- and Dichloramines in UV/Hydrogen Peroxide: Effects on 1,4-Dioxane Removal and Relevance in Water Reuse. *Environmental Science & Technology*, **2018**, 52, 11720-11727	10.3	15
52	Microbial fuel cell technology as a downstream process of a membrane bioreactor for sludge reduction. *Chemical Engineering Journal*, **2017**, 326, 222-230	14.7	23
51	Removal of emerging contaminant and fouling control in membrane bioreactors by combined ozonation and sonolysis. *International Biodeterioration and Biodegradation*, **2017**, 119, 577-586	4.8	41

50	Application of electrochemical processes to membrane bioreactors for improving nutrient removal and fouling control. *Environmental Science and Pollution Research*, **2017**, 24, 321-333	5.1	38
49	Removal of Pharmaceuticals from Wastewater by Intermittent Electrocoagulation. *Water (Switzerland)*, **2017**, 9, 85	3	46
48	An Electro Moving Bed Membrane Bioreactor (eMB-MBR) as a Novel Technology for Wastewater Treatment and Reuse. *Lecture Notes in Civil Engineering*, **2017**, 159-164	0.3	2
47	Characterization of odours emitted by liquid waste treatment plants (LWTPs). *Global Nest Journal*, **2016**, 18, 721-727	1.4	3
46	Odour control strategies for a sustainable nuisances action plan. *Global Nest Journal*, **2016**, 18, 734-741	1.4	7
45	Combination of Electrochemical Processes with Membrane Bioreactors for Wastewater Treatment and Fouling Control: A Review. *Frontiers in Environmental Science*, **2016**, 4,	4.8	41
44	Enhanced ozonation of selected pharmaceutical compounds by sonolysis. *Environmental Technology (United Kingdom)*, **2015**, 36, 1876-83	2.6	29
43	Sonochemical control of fouling formation in membrane ultrafiltration of wastewater: Effect of ultrasonic frequency. *Journal of Water Process Engineering*, **2015**, 8, e92-e97	6.7	40
42	Control of fouling in MBRs through nanospheres addition. *Desalination and Water Treatment*, **2015**, 55, 702-711		5
41	Control of fouling formation in membrane ultrafiltration by ultrasound irradiation. *Environmental Technology (United Kingdom)*, **2015**, 36, 1299-307	2.6	11
40	A novel tool for odor emission assessment in wastewater treatment plant. *Desalination and Water Treatment*, **2015**, 55, 712-717		4
39	Removal of emerging contaminants by simultaneous application of membrane ultrafiltration, activated carbon adsorption, and ultrasound irradiation. *Journal of Hazardous Materials*, **2014**, 264, 342-9	12.8	119
38	Sustainable power plants: A support tool for the analysis of alternatives. *Land Use Policy*, **2014**, 36, 478-484	3.0	19
37	Odour monitoring by novel multi-sensor array system. *Proceedings of the Water Environment Federation*, **2014**, 2014, 1-9		
36	A comparative technology assessment of the anaerobic digestion of an organic fraction of municipal solid waste. *WIT Transactions on State-of-the-art in Science and Engineering*, **2014**, 145-156		
35	Sonochemical degradation of twenty-three emerging contaminants in urban wastewater. *Desalination and Water Treatment*, **2013**, 51, 6601-6608		38
34	Enhanced drinking water supply through harvested rainwater treatment. *Journal of Hydrology*, **2013**, 498, 287-291	6	32
33	Ecological status of rivers in preserved areas: Effects of meteorological parameters. *Ecological Engineering*, **2013**, 53, 173-182	3.9	12

32	River water quality assessment: Implementation of non-parametric tests for sampling frequency optimization. *Land Use Policy*, **2013**, 30, 197-205	5.6	36
31	Dynamic and embedded evaluation procedure for strategic environmental assessment. *Land Use Policy*, **2013**, 31, 605-612	5.6	22
30	Enhanced biogas production from anaerobic codigestion of solid waste by sonolysis. *Ultrasonics Sonochemistry*, **2012**, 19, 596-600	8.9	69
29	Odour Characterization and Exposure Effects **2012**, 7-29		2
28	Strategies for Odour Control **2012**, 85-124		5
27	Dispersion Modelling for Odour Exposure Assessment **2012**, 125-174		1
26	Odour Regulation and Policies **2012**, 175-186		1
25	Case Studies for Assessment, Control and Prediction of Odour Impact **2012**, 205-283		1
24	Procedures for Odour Impact Assessment **2012**, 187-203		1
23	River water quality assessment: A comparison of binary- and fuzzy logic-based approaches. *Ecological Engineering*, **2012**, 47, 132-140	3.9	27
22	Instruments and Methods for Odour Sampling and Measurement **2012**, 31-83		1
21	Control of odour emission in wastewater treatment plants by direct and undirected measurement of odour emission capacity. *Water Science and Technology*, **2012**, 66, 1627-33	2.2	12
20	Degradation of Antibiotics in Wastewater during Sonolysis, Ozonation, and Their Simultaneous Application: Operating Conditions Effects and Processes Evaluation. *International Journal of Photoenergy*, **2012**, 2012, 1-7	2.1	24
19	Membrane Technology in Wastewater Treatments. *Journal of Hydrogeology and Hydrologic Engineering*, **2012**, 01,		2
18	**2012**,		10
17	Influence of ultrasound on phenol removal by adsorption on granular activated carbon. *Desalination and Water Treatment*, **2010**, 23, 181-186		17
16	Ultrasonic degradation, mineralization and detoxification of diclofenac in water: optimization of operating parameters. *Ultrasonics Sonochemistry*, **2010**, 17, 179-85	8.9	128
15	Comparative technology assessment of anaerobic digestion of organic fraction of MSW **2010**,		7

14	Degradation of diclofenac during sonolysis, ozonation and their simultaneous application. *Ultrasonics Sonochemistry*, **2009**, 16, 790-4	8.9	88
13	Wastewater disinfection by combination of ultrasound and ultraviolet irradiation. *Journal of Hazardous Materials*, **2009**, 168, 925-9	12.8	61
12	Effect of sonolysis on waste activated sludge solubilisation and anaerobic biodegradability. *Desalination*, **2009**, 249, 762-767	10.3	35
11	Fate of pharmaceuticals in contaminated urban wastewater effluent under ultrasonic irradiation. *Water Research*, **2009**, 43, 4019-27	12.5	115
10	Instrumental characterization of odour: a combination of olfactory and analytical methods. *Water Science and Technology*, **2009**, 59, 1603-9	2.2	22
9	Odour monitoring of small wastewater treatment plant located in sensitive environment. *Water Science and Technology*, **2008**, 58, 89-94	2.2	51
8	A comparative approach to the variation of natural elements in Italian bottled waters according to the national and international standard limits. *Journal of Food Composition and Analysis*, **2008**, 21, 505-514	4.1	24
7	Multi-parametric water quality monitoring approach according to the WFD application in Evros trans-boundary river basin: priority pollutants. *Desalination*, **2008**, 226, 306-320	10.3	17
6	Behaviour of natural organic mater during ultrasonic irradiation. *Desalination*, **2007**, 210, 175-182	10.3	67
5	Review on endocrine disrupting-emerging compounds in urban wastewater: occurrence and removal by photocatalysis and ultrasonic irradiation for wastewater reuse. *Desalination*, **2007**, 215, 166-176	10.3	222
4	Optimization of sampling frequency for river water quality assessment according to Italian implementation of the EU Water Framework Directive. *Environmental Science and Policy*, **2007**, 10, 243-249	6.2	23
3	Tertiary filtration in small wastewater treatment plants. *Water Science and Technology*, **2007**, 55, 219-25	2.2	6
2	Amino-functionalized mesoporous nano-silica/polyvinylidene fluoride composite as efficient ultrafiltration membrane205, 63-75		2
1	Self-forming Dynamic Membranes for Wastewater Treatment. *Separation and Purification Reviews*,1-17	7.3	3