Giuseppe Mascolo

List of Publications by Year
in descending order

180 papers	6,650 citations	66315 42 h-index	79644 73 g-index
189 all docs	189 docs citations	189 times ranked	8092 citing authors

#	Article	IF	Citations
1	Consolidated vs new advanced treatment methods for the removal of contaminants of emerging concern from urban wastewater. Science of the Total Environment, 2019, 655, 986-1008.	3.9	515
2	UV-induced photocatalytic degradation of azo dyes by organic-capped ZnO nanocrystals immobilized onto substrates. Applied Catalysis B: Environmental, 2005, 60, 1-11.	10.8	262
3	Colloidal oxide nanoparticles for the photocatalytic degradation of organic dye. Materials Science and Engineering C, 2003, 23, 285-289.	3.8	218
4	Photocatalytic degradation of azo dyes by organic-capped anatase TiO nanocrystals immobilized onto substrates. Applied Catalysis B: Environmental, 2005, 55, 81-91.	10.8	190
5	The homogeneous, gas-phase formation of chlorinated and brominated dibenzo-p-dioxin from 2,4,6-trichloro- and 2,4,6-tribromophenols. Combustion and Flame, 1995, 100, 11-20.	2.8	151
6	Kinetic investigation on UV and UV/H2O2 degradations of pharmaceutical intermediates in aqueous solution. Journal of Photochemistry and Photobiology A: Chemistry, 2003, 156, 121-126.	2.0	142
7	Photocatalytic degradation of methyl red by TiO2: Comparison of the efficiency of immobilized nanoparticles versus conventional suspended catalyst. Journal of Hazardous Materials, 2007, 142, 130-137.	6.5	141
8	Status of hormones and painkillers in wastewater effluents across several European statesâ€"considerations for the EU watch list concerning estradiols and diclofenac. Environmental Science and Pollution Research, 2016, 23, 12835-12866.	2.7	141
9	Source apportionment of PM 2.5 in the harbourâ€"industrial area of Brindisi (Italy): Identification and estimation of the contribution of in-port ship emissions. Science of the Total Environment, 2014, 497-498, 392-400.	3.9	140
10	A new synthesis and characterization of magnesium-aluminium hydroxides. Mineralogical Magazine, 1980, 43, 619-621.	0.6	131
11	UV and solar-based photocatalytic degradation of organic pollutants by nano-sized TiO2 grown on carbon nanotubes. Catalysis Today, 2015, 240, 114-124.	2.2	122
12	Comparison of several combined/integrated biological-AOPs setups for the treatment of municipal landfill leachate: Minimization of operating costs and effluent toxicity. Chemical Engineering Journal, 2011, 172, 250-257.	6.6	110
13	Biodegradation of Diclofenac by the bacterial strain Labrys portucalensis F11. Ecotoxicology and Environmental Safety, 2018, 152, 104-113.	2.9	94
14	Hydrothermal synthesis of ZrO2â€"Y2O3 solid solutions at low temperature. Journal of the European Ceramic Society, 2000, 20, 139-145.	2.8	93
15	Application of immobilized TiO2 on PVDF dual layer hollow fibre membrane to improve the photocatalytic removal of pharmaceuticals in different water matrices. Applied Catalysis B: Environmental, 2019, 240, 9-18.	10.8	91
16	A Novel Glycolipid and Phospholipid in the Purple Membraneâ€. Biochemistry, 2000, 39, 3318-3326.	1.2	88
17	Structure and dynamics of cetyltrimethylammonium bromide water-in-oil microemulsions. The Journal of Physical Chemistry, 1990, 94, 3069-3074.	2.9	85
18	Removal of Organics and Degradation Products from Industrial Wastewater by a Membrane Bioreactor Integrated with Ozone or UV/H₂O₂ Treatment. Environmental Science & Technology, 2012, 46, 1010-1018.	4.6	85

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19	On the synthesis of layered double hydroxides (LDHs) by reconstruction method based on the â€œ memory effect â€• Microporous and Mesoporous Materials, 2015, 214, 246-248.	2.2	85
20	Degradation of emerging organic pollutants in wastewater effluents by electrochemical photocatalysis on nanostructured TiO2 meshes. Water Research, 2019, 164, 114920.	5.3	83
21	Catalytic combustion of Orange II on hematite. Applied Catalysis B: Environmental, 2001, 29, 147-162.	10.8	80
22	Gram-scale synthesis of UVâ€“vis light active plasmonic photocatalytic nanocomposite based on TiO2/Au nanorods for degradation of pollutants in water. Applied Catalysis B: Environmental, 2019, 243, 604-613.	10.8	76
23	Biodiesel from dewatered wastewater sludge: A two-step process for a more advantageous production. Chemosphere, 2013, 92, 667-673.	4.2	75
24	Comparison between heterogeneous and homogeneous solar driven advanced oxidation processes for urban wastewater treatment: Pharmaceuticals removal and toxicity. Separation and Purification Technology, 2020, 236, 116249.	3.9	75
25	Lipid-protein stoichiometries in a crystalline biological membrane: NMR quantitative analysis of the lipid extract of the purple membrane. Journal of Lipid Research, 2002, 43, 132-140.	2.0	74
26	Effectiveness of UV-based advanced oxidation processes for the remediation of hydrocarbon pollution in the groundwater: A laboratory investigation. Journal of Hazardous Materials, 2008, 152, 1138-1145.	6.5	70
27	Landfill leachate treatment: Comparison of standalone electrochemical degradation and combined with a novel biofilter. Chemical Engineering Journal, 2016, 288, 87-98.	6.6	67
28	A new supported TiO 2 film deposited on stainless steel for the photocatalytic degradation of contaminants of emerging concern. Chemical Engineering Journal, 2017, 318, 103-111.	6.6	67
29	Plant-assisted bioremediation of a historically PCB and heavy metal-contaminated area in Southern Italy. New Biotechnology, 2017, 38, 65-73.	2.4	66
30	Biodegradability of pharmaceutical industrial wastewater and formation of recalcitrant organic compounds during aerobic biological treatment. Bioresource Technology, 2010, 101, 2585-2591.	4.8	64
31	New perspective on the determination of flame retardants in sewage sludge by using ultrahigh pressure liquid chromatographyâ€“tandem mass spectrometry with different ion sources. Journal of Chromatography A, 2010, 1217, 4601-4611.	1.8	60
32	Effective organics degradation from pharmaceutical wastewater by an integrated process including membrane bioreactor and ozonation. Chemosphere, 2010, 78, 1100-1109.	4.2	59
33	The effect of mineralizers on the crystallization of zirconia gel under hydrothermal conditions. Solid State Ionics, 1999, 123, 87-94.	1.3	58
34	Novel Sulfonolipid in the Extremely Halophilic Bacterium Salinibacter ruber. Applied and Environmental Microbiology, 2004, 70, 6678-6685.	1.4	58
35	Peroxymonosulfateâ€“Co(II) oxidation system for the removal of the non-ionic surfactant Brij 35 from aqueous solution. Chemosphere, 2012, 86, 329-334.	4.2	54
36	Comparison of UV/H2O2 based AOP as an end treatment or integrated with biological degradation for treating landfill leachates. Chemical Engineering Journal, 2013, 218, 133-137.	6.6	53

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37	Tracing endocrine disrupting chemicals in a coastal lagoon (Sacca di Goro, Italy): Sediment contamination and bioaccumulation in Manila clams. Science of the Total Environment, 2015, 511, 214-222.	3.9	52
38	Lipid-protein stoichiometries in a crystalline biological membrane: NMR quantitative analysis of the lipid extract of the purple membrane. Journal of Lipid Research, 2002, 43, 132-40.	2.0	52
39	By-products formation during degradation of isoproturon in aqueous solution. I: ozonation. Water Research, 2001, 35, 1695-1704.	5.3	49
40	Nanocrystalline TiO2 based films onto fibers for photocatalytic degradation of organic dye in aqueous solution. Applied Catalysis B: Environmental, 2012, 121-122, 190-197.	10.8	47
41	The role of 3-dimethylaminopropylamine and amidoamine in contact allergy to cocamidopropylbetaine. Contact Dermatitis, 2003, 48, 194-198.	0.8	46
42	Stereospecific synthesis of (1E,3Z)- and (1E,3E)-1-trimethylsilyl-1,3- dienes by means of sequential cross-coupling reactions. Tetrahedron Letters, 1988, 29, 3705-3708.	0.7	45
43	Photocatalytic degradation of methyl-red by immobilised nanoparticles of TiO2 and ZnO. Water Science and Technology, 2004, 49, 183-188.	1.2	43
44	Efficient conversion of brown grease produced by municipal wastewater treatment plant into biofuel using aluminium chloride hexahydrate under very mild conditions. Bioresource Technology, 2014, 155, 91-97.	4.8	43
45	Biodegradability enhancement of refractory pollutants by ozonation: a laboratory investigation on an azo-dyes intermediate. Water Science and Technology, 1998, 38, 239-245.	1.2	42
46	Degradation of Carbamazepine by Photo(electro)catalysis on Nanostructured TiO2 Meshes: Transformation Products and Reaction Pathways. Catalysts, 2020, 10, 169.	1.6	42
47	Degradation of sulphur containing s-triazines during water chlorination. Water Research, 1994, 28, 2499-2506.	5.3	41
48	Photocatalytic Degradation of Diclofenac by Hydroxyapatiteâ€“TiO2 Composite Material: Identification of Transformation Products and Assessment of Toxicity. Materials, 2018, 11, 1779.	1.3	41
49	Microstructure evolution of lime putty upon aging. Journal of Crystal Growth, 2010, 312, 2363-2368.	0.7	39
50	Photocatalytic Activity of Nanocomposite Catalyst Films Based on Nanocrystalline Metal/Semiconductors. Journal of Physical Chemistry C, 2011, 115, 12033-12040.	1.5	39
51	Efficient solvent-less separation of lipids from municipal wet sewage scum and their sustainable conversion into biodiesel. Renewable Energy, 2016, 90, 55-61.	4.3	39
52	Comparison of different types of landfill leachate treatments by employment of nontarget screening to identify residual refractory organics and principal component analysis. Science of the Total Environment, 2018, 635, 984-994.	3.9	39
53	Carbamazepine is degraded by the bacterial strain Labrys portucalensis F11. Science of the Total Environment, 2019, 690, 739-747.	3.9	39
54	Temperature activated degradation (mineralization) of 4-chloro-3-methyl phenol by Fentonâ€™s reagent. Chemosphere, 2005, 59, 397-403.	4.2	38

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55	Photodegradation of nalidixic acid assisted by TiO2 nanorods/Ag nanoparticles based catalyst. Chemosphere, 2013, 91, 941-947.	4.2	37
56	Presence of two novel cardiolipins in the halophilic archaeal community in the crystallizer brines from the salterns of Margherita di Savoia (Italy) and Eilat (Israel). Extremophiles, 2002, 6, 437-444.	0.9	36
57	OXIDATION OF NONIONIC SURFACTANTS BY FENTON AND H₂O₂/UV PROCESSES. Environmental Technology (United Kingdom), 2008, 29, 423-433.	1.2	36
58	Oxidation of Chloroanilines at Metal Oxide Surfaces. Journal of Agricultural and Food Chemistry, 1998, 46, 2049-2054.	2.4	35
59	Catalytic decomposition of the reactive dye UNIBLUE a on hematite. modeling of the reactive surface. Water Research, 2001, 35, 750-760.	5.3	35
60	Recoverable and reusable aluminium solvated species used as a homogeneous catalyst for biodiesel production from brown grease. Applied Catalysis A: General, 2015, 501, 48-55.	2.2	35
61	Lipids of the ultra-thin square halophilic archaeonHaloquadratum walsbyi. Archaea, 2008, 2, 177-183.	2.3	34
62	Characterization of carbofuran photodegradation by-products by liquid chromatography/hybrid quadrupole time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2005, 19, 2193-2202.	0.7	33
63	Thermal shrinkage of various cation forms of zeolite A. Thermochimica Acta, 1997, 296, 59-66.	1.2	32
64	Reductive/oxidative treatment with superior performance relative to oxidative treatment during the degradation of 4-chlorophenol. Applied Catalysis B: Environmental, 2005, 59, 249-257.	10.8	32
65	Removal of endocrine disrupter compounds from municipal wastewater by an innovative biological technology. Water Science and Technology, 2008, 58, 953-956.	1.2	32
66	Simultaneous Cr(VI) reduction and non-ionic surfactant oxidation by peroxymonosulphate and iron powder. Chemosphere, 2013, 91, 1250-1256.	4.2	32
67	Ion chromatographyâ€“electrospray mass spectrometry for the identification of low-molecular-weight organic acids during the 2,4-dichlorophenol degradation. Journal of Chromatography A, 2005, 1067, 191-196.	1.8	31
68	A geo-chemo-mechanical study of a highly polluted marine system (Taranto, Italy) for the enhancement of the conceptual site model. Scientific Reports, 2021, 11, 4017.	1.6	31
69	Quality assessment of digested sludges produced by advanced stabilization processes. Environmental Science and Pollution Research, 2015, 22, 7216-7235.	2.7	30
70	Photocatalytic Oxidation of Organic Micro-Pollutants: Pilot Plant Investigation and Mechanistic Aspects of the Degradation Reaction. Chemical Engineering Communications, 2016, 203, 1298-1307.	1.5	30
71	Thermal stability of Mg,Al double hydroxides modified by anionic exchange. Thermochimica Acta, 1982, 55, 377-383.	1.2	29
72	Isolation and characterization of lipids strictly associated to PSII complexes: Focus on cardiolipin structural and functional role. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 1620-1627.	1.4	29

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73	Synthesis of anionic clays by hydrothermal crystallization of amorphous precursors. Applied Clay Science, 1995, 10, 21-30.	2.6	28
74	Films by slurry coating of nanometric YSZ (8mol% Y2O3) powders synthesized by low-temperature hydrothermal treatment. Journal of the European Ceramic Society, 2005, 25, 2017-2021.	2.8	28
75	Removal of endocrine disrupter compounds from municipal wastewater using an aerobic granular biomass reactor. Biochemical Engineering Journal, 2008, 41, 288-294.	1.8	28
76	Novel TiO2-based catalysts employed in photocatalysis and photoelectrocatalysis for effective degradation of pharmaceuticals (PhACs) in water: A short review. Current Opinion in Green and Sustainable Chemistry, 2021, 30, 100473.	3.2	28
77	Crystallization of monoclinic zirconia from metastable phases. Solid State Ionics, 2000, 127, 223-230.	1.3	27
78	Identification of transformation products of carbamazepine in lettuce crops irrigated with Ultraviolet-C treated water. Environmental Pollution, 2019, 247, 1009-1019.	3.7	27
79	Identification of four epitopes in hepatitis C virus core protein. Journal of Clinical Microbiology, 1993, 31, 1586-1591.	1.8	27
80	Prometryne Oxidation by Sodium Hypochlorite in Aqueous Solution: Kinetics and Mechanism. Environmental Science & Technology, 1995, 29, 2987-2991.	4.6	26
81	Agglomeration of 3 mol% Yâ€“TZP powders sythesized by hydrothermal treatment. Journal of the European Ceramic Society, 2001, 21, 29-35.	2.8	25
82	Biodegradation of UV-filters in marine sediments. Science of the Total Environment, 2017, 575, 448-457.	3.9	25
83	Degradation of herbicides (ametryn and isoproturon) during water disinfection by means of two oxidants (hypochlorite and chlorine dioxide). Water Science and Technology, 1997, 35, 129-136.	1.2	24
84	Formation of volatile halogenated by-products during chlorination of isoproturon aqueous solutions. Chemosphere, 2001, 45, 269-274.	4.2	24
85	Practical applications of the fenton reaction to the removal of chlorinated aromatic pollutants. Environmental Science and Pollution Research, 2003, 10, 379-384.	2.7	24
86	Zirconia-yttria (8 mol%) powders hydrothermally synthesized from different Y-based precursors. Journal of the European Ceramic Society, 2004, 24, 915-918.	2.8	24
87	Degradation of chlorobenzene by Fentonâ€like processes using zeroâ€valent iron in the presence of Fe3+and Cu2+. Environmental Technology (United Kingdom), 2011, 32, 155-165.	1.2	24
88	Partitioning of nutrients and micropollutants along the sludge treatment line: a case study. Environmental Science and Pollution Research, 2013, 20, 6256-6265.	2.7	24
89	By-products formation during degradation of isoproturon in aqueous solution. II: chlorination. Water Research, 2001, 35, 1705-1713.	5.3	23
90	Removal of nalidixic acid and its degradation products by an integrated MBR-ozonation system. Journal of Hazardous Materials, 2012, 203-204, 46-52.	6.5	22

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91	A Green and Economic Future of Inland Waterway Shipping. Procedia CIRP, 2015, 29, 317-322.	1.0	22
92	Fat, oil and grease waste from municipal wastewater: characterization, activation and sustainable conversion into biofuel. Water Science and Technology, 2015, 71, 1151-1157.	1.2	21
93	Post-aerobic treatment to enhance the removal of conventional and emerging micropollutants in the digestion of waste sludge. Waste Management, 2019, 96, 36-46.	3.7	21
94	Weakly-agglomerated nanocrystalline (ZrO2)0.9(Yb2O3)0.1 powders hydrothermally synthesized at low temperature. Solid State Sciences, 2006, 8, 1046-1050.	1.5	20
95	Ultra-trace levels analysis of microcystins and nodularin in surface water by on-line solid-phase extraction with high-performance liquid chromatography tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2016, 408, 4063-4071.	1.9	19
96	Amorphous boron-doped sodium titanates hydrates: Efficient and reusable adsorbents for the removal of Pb2+ from water. Journal of Hazardous Materials, 2017, 324, 168-177.	6.5	19
97	Interfacial Properties of Substituted Fulleropyrrolidines on the Water Surface. Langmuir, 2000, 16, 4599-4606.	1.6	18
98	By-products Formation during the Ozonation of the Reactive Dye Uniblu-A. Ozone: Science and Engineering, 2002, 24, 439-446.	1.4	18
99	Drying Effect on Thermal Behavior and Structural Modifications of Hydrous Zirconia Gel. Journal of the American Ceramic Society, 2008, 91, 3375-3379.	1.9	18
100	Iodinated contrast media electro-degradation: Process performance and degradation pathways. Science of the Total Environment, 2015, 506-507, 631-643.	3.9	18
101	Hydration products of synthetic glasses similar to blast-furnace slags. Cement and Concrete Research, 1973, 3, 207-213.	4.6	17
102	Thermal stability of lithium aluminium hydroxy salts. Thermochimica Acta, 1986, 102, 67-73.	1.2	17
103	Crystallizationâ€“stabilization mechanism of yttria-doped zirconia by hydrothermal treatment of mechanical mixtures of zirconia xerogel and crystalline yttria. Journal of Crystal Growth, 2005, 280, 255-265.	0.7	17
104	Endocrine-disrupting chemicals in coastal lagoons of the Po River delta: sediment contamination, bioaccumulation and effects on Manila clams. Environmental Science and Pollution Research, 2016, 23, 10477-10493.	2.7	17
105	Chlorinated herbicide (triallate) dehalogenation by iron powder. Chemosphere, 2004, 57, 579-586.	4.2	16
106	Aminoethylethanolamine: a new allergen in cosmetics?. Contact Dermatitis, 2001, 45, 129-133.	0.8	15
107	Thermal degradation of synthetic lubricants under oxidative pyrolytic conditions. Journal of Analytical and Applied Pyrolysis, 2006, 75, 167-173.	2.6	15
108	Catanionic Systems from Conversion of Nucleotides into Nucleo-Lipids. Langmuir, 2008, 24, 2348-2355.	1.6	15

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109	Microbiome changes and oxidative capability of an anaerobic PCB dechlorinating enrichment culture after oxygen exposure. New Biotechnology, 2020, 56, 96-102.	2.4	15
110	Inter-laboratory mass spectrometry dataset based on passive sampling of drinking water for non-target analysis. Scientific Data, 2021, 8, 223.	2.4	14
111	Discrimination between synthetic Mgî—¸Al double hydroxides and related carbonate phases. Thermochimica Acta, 1980, 35, 93-98.	1.2	13
112	Microbiological and Chemical Assessment of Wastewater Discharged by Infiltration Trenches in Fractured and Karstified Limestone (SCA.Re.S. Project 2019â€“2020). Pathogens, 2020, 9, 1010.	1.2	13
113	Embryo/larval toxicity and transcriptional effects in zebrafish (Danio rerio) exposed to endocrine active riverbed sediments. Environmental Science and Pollution Research, 2020, 27, 10729-10747.	2.7	13
114	Oxidation of sulfur-containing s-triazines during groundwater hypochlorination. Water Science and Technology, 1994, 30, 53-59.	1.2	12
115	Dilatometry of Na-, K-, Ca- and NH4-clinoptilolite. Thermochimica Acta, 1999, 336, 105-110.	1.2	12
116	Sinterability of 8Yâ€“ZrO2 powders hydrothermally synthesized at low temperature. Solid State Ionics, 2003, 160, 363-371.	1.3	12
117	Combined Effects of Compost and Medicago Sativa in Recovery a PCB Contaminated Soil. Water (Switzerland), 2020, 12, 860.	1.2	12
118	Disinfection by-products formation during hypochlorination of isoproturon contaminated groundwater. Water Science and Technology, 1996, 34, 351-358.	1.2	12
119	Dilatometric behaviour of chabazite. Journal of Theoretical Biology, 1996, 47, 281-289.	0.8	11
120	Exposing native cyprinid (Barbus plebejus) juveniles to river sediments leads to gonadal alterations, genotoxic effects and thyroid disruption. Aquatic Toxicology, 2015, 169, 223-239.	1.9	11
121	Target and suspect contaminants of emerging concern in the Po River Delta lagoons. Estuarine, Coastal and Shelf Science, 2019, 230, 106424.	0.9	11
122	Ignition of ammonia on various zeolitic substrates. Thermochimica Acta, 1997, 303, 17-21.	1.2	10
123	Identification of low molecular weight organic acids by ion chromatography/hybrid quadrupole timeâ€ofâ€flight mass spectrometry during Unibluâ€A ozonation. Rapid Communications in Mass Spectrometry, 2013, 27, 187-199.	0.7	10
124	Gross parameters prediction of a granular-attached biomass reactor by means of multi-objective genetic-designed artificial neural networks: touristic pressure management case. Environmental Science and Pollution Research, 2016, 23, 5549-5565.	2.7	10
125	An innovative biofilter technology for reducing environmental spreading of emerging pollutants and odour emissions during municipal sewage treatment. Science of the Total Environment, 2022, 803, 149966.	3.9	10
126	Microstructure of a Lime Stabilised Compacted Silt. , 2007, , 49-56.		10

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127	Influence of Polymorphism and Stabilizing Ions on the Strength of Alite. Journal of the American Ceramic Society, 1973, 56, 222-223.	1.9	9
128	Mo-Re superconducting thin films by single target magnetron sputtering. IEEE Transactions on Magnetics, 1989, 25, 1972-1975.	1.2	9
129	Landfill wall revegetation combined with leachate recirculation: a convenient procedure for management of closed landfills. Environmental Science and Pollution Research, 2014, 21, 9366-9375.	2.7	9
130	Medium- and Long-Term Effects of Estrogenic Contaminants on the Middle River Po Fish Community as Reconstructed from a Sediment Core. Archives of Environmental Contamination and Toxicology, 2016, 71, 454-472.	2.1	9
131	Investigation of Photocatalysis by Mesoporous Titanium Dioxide Supported on Glass Fibers as an Integrated Technology for Water Remediation. Catalysts, 2022, 12, 41.	1.6	9
132	Relation of Composition of Hydrogarnet to Resistance to Sulfate Attack. Journal of the American Ceramic Society, 1972, 55, 146-148.	1.9	8
133	Thermal treatment of sediments as a function of temperature and reacting atmosphere. Journal of Analytical and Applied Pyrolysis, 1999, 49, 425-445.	2.6	8
134	Pharmaceuticals degradation by UV and UV/H2O2 treatments. Water Science and Technology: Water Supply, 2002, 2, 19-26.	1.0	8
135	Thermal crystallization of ion-exchanged zeolite A. Journal of the European Ceramic Society, 2003, 23, 1705-1713.	2.8	8
136	The gas phase decomposition of synthetic lubricants under pyrolytic conditions. Journal of Analytical and Applied Pyrolysis, 2004, 71, 165-178.	2.6	8
137	Goldâ€Speckled SPION@SiO 2 Nanoparticles Decorated with Thiocarbohydrates for ASGPR1 Targeting: Towards HCC Dual Mode Imaging Potential Applications. Chemistry - A European Journal, 2020, 26, 11048-11059.	1.7	8
138	Integrating biodegradation and ozone-catalysed oxidation for treatment and reuse of biomass gasification wastewater. Journal of Water Process Engineering, 2021, 43, 102297.	2.6	8
139	Lattice parameters and composition limits of mixed Mg-Al hydroxy structuresâ€"a discussion. Mineralogical Magazine, 1982, 46, 136-137.	0.6	8
140	Photocatalytic degradation of methyl-red by immobilised nanoparticles of TiO2 and ZnO. Water Science and Technology, 2004, 49, 183-8.	1.2	8
141	Hydrotalcite observed in mortars exposed to sulfate solutions â€" A discussion. Cement and Concrete Research, 1986, 16, 610-612.	4.6	7
142	STDS study for the identification of released compounds from commercial ion-exchange resins. Reactive and Functional Polymers, 1997, 35, 89-98.	2.0	7
143	Influence of Failure Modes on PAH Emission During Lab-Scale Incineration. Environmental Engineering Science, 1999, 16, 287-292.	0.8	7
144	Microwave-hydrothermal treatment of mechanical mixtures of ZrO2 xerogel and crystalline Y2O3. Journal of Thermal Analysis and Calorimetry, 2005, 80, 721-725.	2.0	7

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145	Direct analysis of polychlorinated biphenyls in heavily contaminated soils by thermal desorption/gas chromatography/mass spectrometry. International Journal of Environmental Analytical Chemistry, 2013, 93, 1030-1042.	1.8	7
146	Gross parameters prediction of a granular attached biomass reactor through evolutionary polynomial regression. Biochemical Engineering Journal, 2015, 94, 74-84.	1.8	7
147	An approach for a rapid determination of the aging time of lime putty. Thermochimica Acta, 2017, 648, 75-78.	1.2	7
148	Thirty contaminants of emerging concern identified in secondary treated hospital wastewater and their removal by solar Fenton (like) and sulphate radicals-based advanced oxidation processes. Journal of Environmental Chemical Engineering, 2021, 9, 106614.	3.3	7
149	Contamination levels and spatial distribution in the lagoons of the Po river delta: Are chemicals exerting toxic effects?. Estuarine, Coastal and Shelf Science, 2019, 231, 106467.	0.9	6
150	Characterization of superconducting thin films by Mo75Re25 target for rf cavity applications. Journal of Superconductivity and Novel Magnetism, 1989, 2, 493-500.	0.5	5
151	Endogenous growth of the population of reverse micelles. Journal of Colloid and Interface Science, 1990, 140, 401-407.	5.0	5
152	Thermal behaviour of (NH4)2V6O16 prepared by hydrothermal crystallization. Thermochimica Acta, 1993, 227, 197-204.	1.2	5
153	Lab-scale evaluations on formation of products of incomplete combustion in hazardous waste incineration: influence of process variables. Water Science and Technology, 1997, 36, 219-226.	1.2	5
154	Characterization of carbonyl byâ€products during Unibluâ€A ozonation by liquid chromatography/hybrid quadrupole timeâ€ofâ€flight/mass spectrometry. Rapid Communications in Mass Spectrometry, 2011, 25, 1801-1811.	0.7	5
155	Preliminary results of lab-scale investigations of products of incomplete combustion during incineration of primary and mixed digested sludge. Environmental Science and Pollution Research, 2016, 23, 4585-4593.	2.7	5
156	UV and H2O2/UV degradation of a pharmaceutical intermediate in aqueous solution. Annali Di Chimica, 2002, 92, 41-51.	0.6	5
157	Biodegradation and Metabolic Pathway of 17Î²-Estradiol by Rhodococcus sp. ED55. International Journal of Molecular Sciences, 2022, 23, 6181.	1.8	5
158	Optimal integration of vacuum UV with granular biofiltration for advanced wastewater treatment: Impact of process sequence on CECs removal and microbial ecology. Water Research, 2022, 220, 118638.	5.3	5
159	Mesoporous aggregates of ZrO2-doped (5 mol%) titania by interconnection of primary nano-particles. Microporous and Mesoporous Materials, 2010, 132, 196-200.	2.2	4
160	Oxidation of azo and anthraquinonic dyes by peroxymonosulphate activated by UV light. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2018, 53, 393-404.	0.9	4
161	A study on the reactivity of C4AÂ·nH2O with aqueous solutions. Cement and Concrete Research, 1986, 16, 679-684.	4.6	3
162	Innovative and Integrated Technologies for the Treatment of Industrial Wastewater (INNOWATECH). Water Intelligence Online, 2011, 10, 9781780400785.	0.3	3

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163	Cooperative Effects of Adsorption on Granular Activated Carbon and Hydroquinone-Driven Fenton Reaction in the Removal of Nonionic Surfactant from Aqueous Solution. Environmental Engineering Science, 2012, 29, 202-211.	0.8	3
164	Managing the touristic pressure: performances prediction of an advanced biological system by means of regression trees. Biochemical Engineering Journal, 2016, 111, 43-53.	1.8	3
165	Self-Assembled 3D Portlandite Crystals Upon Aging of Lime Putty. Advanced Science Letters, 2017, 23, 5938-5940.	0.2	3
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167	The non-isothermal devitrification of sodium metaphosphate glass. Thermochimica Acta, 1986, 98, 363-366.	1.2	2
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