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List of Publications by Year in descending order

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116 papers	3,475 citations	126907 33 h-index	182427 51 g-index
119 all docs	119 docs citations	119 times ranked	2045 citing authors

#	Article	IF	Citations
1	Ancillary Ligand Effect on Single-Site Styrene Polymerization:Â Isospecificity of Group 4 Metal Bis(phenolate) Catalysts. Journal of the American Chemical Society, 2003, 125, 4964-4965.	13.7	231
2	Isospecific Styrene Polymerization by Chiral Titanium Complexes That Contain a Tetradentate [OSSO]-Type Bis(phenolato) Ligand. Organometallics, 2005, 24, 2971-2982.	2.3	121
3	Microplastics in the Environment: Intake through the Food Web, Human Exposure and Toxicological Effects. Toxics, 2021, 9, 224.	3.7	105
4	Endocrine-Disrupting Compounds: An Overview on Their Occurrence in the Aquatic Environment and Human Exposure. Water (Switzerland), 2021, 13, 1347.	2.7	103
5	Reactivity of some substituted styrenes in the presence of a syndiotactic specific polymerization catalyst. Macromolecules, 1989, 22, 104-108.	4.8	100
6	Novel aluminoxane-free catalysts for syndiotactic-specific polymerization of styrene. Die Makromolekulare Chemie Rapid Communications, 1992, 13, 265-268.	1.1	91
7	Stereoselective Polymerization of Conjugated Dienes and Styreneâ^'Butadiene Copolymerization Promoted by Octahedral Titanium Catalyst. Macromolecules, 2007, 40, 5638-5643.	4.8	86
8	Synthesis of syndiotactic poly-1,2-(4-methyl-1,3-pentadiene). Macromolecules, 1989, 22, 2126-2128.	4.8	76
9	Poly(glycidyl ether)s recycling from industrial waste and feasibility study of reuse as electrolytes in sodium-based batteries. Chemical Engineering Journal, 2020, 382, 122934.	12.7	73
10	Copolymerization of styrene and isoprene: an insight into the mechanism of syndiospecific styrene polyinsertion. Macromolecules, 1992, 25, 4450-4452.	4.8	67
11	Title is missing!. Die Makromolekulare Chemie Rapid Communications, 1992, 13, 277-281.	1.1	67
12	13C-Enriched end groups of polypropylene and poly(1-butene) prepared in the presence of bis(cyclopentadienyl)titanium diphenyl and methylalumoxane. Macromolecules, 1986, 19, 2703-2706.	4.8	63
13	Utilization of chemically oxidized polystyrene as co-substrate by filamentous fungi. International Journal of Hygiene and Environmental Health, 2009, 212, 61-66.	4.3	63
14	Binary copolymerizations of styrene and conjugated diolefins in the presence of cyclopentadienyltitanium trichloride-methylaluminoxane. Macromolecular Chemistry and Physics, 1994, 195, 2623-2631.	2.2	62
15	Stereospecific post-metallocene polymerization catalysts: the example of isospecific styrene polymerization. Journal of Organometallic Chemistry, 2004, 689, 4636-4641.	1.8	59
16	Microplastics in the Aquatic Environment: Occurrence, Persistence, Analysis, and Human Exposure. Water (Switzerland), 2021, 13, 973.	2.7	56
17	Propyleneâ^'Styrene Multiblock Copolymers:Â Evidence for Monomer Enchainment via Opposite Insertion Regiochemistry by a Single-Site Catalyst. Macromolecules, 2004, 37, 8918-8922.	4.8	49
18	Nitrate Removal from Wastewater through Biological Denitrification with OGA 24 in a Batch Reactor. Water (Switzerland), 2015, 7, 51-62.	2.7	49

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19	Syndiotactic polymerization of styrene: mode of addition to the double bond. Macromolecules, 1988, 21, 24-25.	4.8	46
20	Copolymerization of ethylene with styrene catalyzed by a linked bis(phenolato) titanium catalyst. Journal of Polymer Science Part A, 2006, 44, 1908-1913.	2.3	46
21	Stereoselective polymerization of biosourced terpenes Î²-myrcene and Î²-ocimene and their copolymerization with styrene promoted by titanium catalysts. Polymer, 2017, 131, 151-159.	3.8	46
22	Disinfection of urban wastewater by a new photo-Fenton like process using Cu-iminodisuccinic acid complex as catalyst at neutral pH. Water Research, 2018, 146, 206-215.	11.3	46
23	Toward More Sustainable Elastomers: Stereoselective Copolymerization of Linear Terpenes with Butadiene. Macromolecules, 2020, 53, 1665-1673.	4.8	45
24	Stereospecific polymerization of propylene in the presence of homogeneous catalysts: ligand-monomer enantioselective interactions. Macromolecules, 1991, 24, 4624-4625.	4.8	44
25	Isolated Ethylene Units in Isotactic Polystyrene Chain: Stereocontrol of an Isospecific Post-Metallocene Titanium Catalyst. Macromolecular Chemistry and Physics, 2004, 205, 370-373.	2.2	44
26	Ethyleneâ˜Butadiene Copolymerization Promoted by Titanium Complex Containing a Tetradentate [OSSO]-Type Bis(phenolato) Ligand. Macromolecules, 2008, 41, 4573-4575.	4.8	44
27	Synthesis of branched polyethylene by ethylene homopolymerization using titanium catalysts that contain a bridged bis(phenolate) ligand. Journal of Polymer Science Part A, 2004, 42, 2815-2822.	2.3	43
28	Synthesis of Isotactic Poly-1,2-(4-methyl-1,3-pentadiene) by a Homogeneous Titanium Catalyst. Macromolecules, 2003, 36, 9249-9251.	4.8	42
29	Mechanism of syndiotacticâ€specific polymerization of styrene. Macromolecular Symposia, 1995, 89, 373-382.	0.7	40
30	Use of Zea mays L. in phytoremediation of trichloroethylene. Environmental Science and Pollution Research, 2017, 24, 11053-11060.	5.3	39
31	Binary Copolymerization of p-Methylstyrene with Butadiene and Isoprene Catalyzed by Titanium Compounds Showing Different Stereoselectivity. Macromolecules, 2013, 46, 8449-8457.	4.8	38
32	Carbonaceous PM10 and PM2.5 and secondary organic aerosol in a coastal rural site near Brindisi (Southern Italy). Environmental Science and Pollution Research, 2018, 25, 23929-23945.	5.3	36
33	Living, Isoselective Polymerization of Styrene and Formation of Stereoregular Block Copolymers via Sequential Monomer Addition. Macromolecules, 2010, 43, 5919-5921.	4.8	35
34	Combination of flow cytometry and molecular analysis to monitor the effect of UVC/H2O2 vs UVC/H2O2/Cu-IDS processes on pathogens and antibiotic resistant genes in secondary wastewater effluents. Water Research, 2020, 184, 116194.	11.3	34
35	Determination of the trichloroethylene diffusion coefficient in water. AICHE Journal, 2015, 61, 3511-3515.	3.6	33
36	Total oxidation of trichloroethylene over mayenite (Ca12Al14O33) catalyst. Applied Catalysis B: Environmental, 2017, 204, 167-172.	20.2	33

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37	Zirconium catalysts for the syndiotactic polymerization of styrene. Macromolecular Rapid Communications, 1994, 15, 151-154.	3.9	32
38	Cascade luminescent solar concentrators. Applied Physics Letters, 2014, 104, 153901.	3.3	32
39	Polymerization of ethylene in the presence of 1,3-dimethoxy-p-But-calix[4]arene titanium dichloride. NMR evidence of the cationic titanium compound generated by methylalumoxane. Inorganic Chemistry Communication, 2003, 6, 339-342.	3.9	29
40	A study on the catalytic hydrogenation of aldehydes using mayenite as active support for palladium. Catalysis Communications, 2015, 68, 41-45.	3.3	29
41	Glycidol, a Valuable Substrate for the Synthesis of Monoalkyl Glyceryl Ethers: A Simplified Life Cycle Approach. ChemSusChem, 2017, 10, 2291-2300.	6.8	29
42	Syndiotactic-Specific Polymerization of 4-Methyl-1,3-pentadiene:Â Insertion on a Mtâ^'CH3Bond. Macromolecules, 1996, 29, 5500-5501.	4.8	28
43	Living, Isoselective Polymerization of 4-Methyl-1,3-pentadiene and Styrenic Monomers and Synthesis of Highly Stereoregular Block Copolymers via Sequential Monomer Addition. Macromolecules, 2011, 44, 7940-7947.	4.8	28
44	Synthesis of Monoalkyl Glyceryl Ethers by Ring Opening of Glycidol with Alcohols in the Presence of Lewis Acids. ChemSusChem, 2016, 9, 3272-3275.	6.8	28
45	Copolymerization of ethylene with isoprene promoted by titanium complexes containing a tetradentate [OSSO]â€type bis(phenolato) ligand. Journal of Polymer Science Part A, 2010, 48, 4200-4206.	2.3	27
46	Crystal Structure of the Stereoregular Ethylene-alt-styrene Copolymer Synthesized with a Zirconocene-Based Catalyst. Macromolecules, 1999, 32, 2675-2678.	4.8	26
47	Stable carbon isotope ratio in atmospheric CO2 collected by new diffusive devices. Environmental Science and Pollution Research, 2014, 21, 3182-3186.	5.3	26
48	Reactivity of styrene and substituted styrenes in the presence of a homogeneous isospecific titanium catalyst. Journal of Polymer Science Part A, 2006, 44, 1486-1491.	2.3	25
49	Synthesis, characterization and field evaluation of a new calcium-based CO2 absorbent for radial diffusive sampler. Atmospheric Environment, 2012, 60, 82-87.	4.1	25
50	An improved method for BTEX extraction from charcoal. Analytical Methods, 2015, 7, 4811-4815.	2.7	25
51	Assessment of perchlorate-reducing bacteria in a highly polluted river. International Journal of Hygiene and Environmental Health, 2010, 213, 437-443.	4.3	24
52	Determination of Perchlorate in Bottled Water from Italy. Water (Switzerland), 2013, 5, 767-779.	2.7	24
53	Metallocene-Catalyzed Diastereoselective Epoxidation of Allylic Alcohols. Tetrahedron, 2000, 56, 3567-3573.	1.9	23
54	Mechanistic Studies on Conjugated Diene Polymerizations Promoted by a Titanium Complex Containing a Tetradentate [OSSO]-Type Bis(phenolato) Ligand. Macromolecules, 2012, 45, 6363-6370.	4.8	23

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55	Bactericidal and Fungicidal Activity in the Gas Phase of Sodium Dichloroisocyanurate (NaDCC). Current Microbiology, 2016, 73, 287-291.	2.2	23
56	Characterization and authentication of commercial cleaning products formulated with biobased surfactants by stable carbon isotope ratio. Talanta, 2020, 219, 121256.	5.5	23
57	Comparative analysis of peracetic acid (PAA) and permaleic acid (PMA) in disinfection processes. Science of the Total Environment, 2021, 797, 149206.	8.0	23
58	Detection of diagenetic alterations by Spectroscopic Analysis on Archaeological Bones from the Necropolis of Poseidonia (Paestum): A case study. Journal of Cultural Heritage, 2009, 10, 509-513.	3.3	22
59	Mayenite based supports for atmospheric NOx sampling. Atmospheric Environment, 2013, 79, 666-671.	4.1	22
60	Bio-propylene glycol as value-added product from EpicerolÂ® process. Sustainable Chemistry and Pharmacy, 2017, 6, 10-13.	3.3	22
61	Review of aminopolycarboxylic acidsâ€“based metal complexesÂapplication to water and wastewater treatment by (photo-)Fenton process at neutral pH. Current Opinion in Green and Sustainable Chemistry, 2021, 28, 100451.	5.9	22
62	Efficient and selective conversion of glycidol to 1,2-propanediol over Pd/C catalyst. Catalysis Communications, 2016, 77, 98-102.	3.3	20
63	First Attempt of Glycidolâ€toâ€Monoalkyl Glyceryl Ethers Conversion by Acid Heterogeneous Catalysis: Synthesis and Simplified Sustainability Assessment. ChemSusChem, 2018, 11, 1829-1837.	6.8	20
64	Determination of 13C/12C Carbon Isotope Ratio. Analytical Chemistry, 2006, 78, 3080-3083.	6.5	19
65	Copolymerization of Ethylene with 4-Methyl-1,3-pentadiene Promoted by Titanium Complexes Containing a Tetradentate [OSSO]-Type Bis(phenolato) Ligand. Macromolecules, 2009, 42, 6981-6985.	4.8	19
66	An acetic acid-based extraction method to obtain high quality collagen from archeological bone remains. Analytical Biochemistry, 2012, 421, 92-96.	2.4	19
67	Determination of the ¹³C/¹²C Carbon Isotope Ratio in Carbonates and Bicarbonates by ¹³C NMR Spectroscopy. Analytical Chemistry, 2017, 89, 11413-11418.	6.5	19
68	Critical importance of molecular sieves in titanium(IV)â€“calix[4]arene catalyzed epoxidation of allylic alcohols. Tetrahedron Letters, 2001, 42, 1995-1998.	1.4	18
69	A Novel Synthetic Route to Prepare High Surface Area Mayenite Catalyst for TCE Oxidation. Catalysts, 2019, 9, 27.	3.5	18
70	New FTIR methodology for the evaluation of 13C/12C isotope ratio in Helicobacter pylori infection diagnosis. Journal of Infection, 2009, 59, 90-94.	3.3	17
71	Chemoselectivity in 4-methyl-1,3-pentadiene polymerization in the presence of homogeneous Ti-based catalysts. Macromolecular Rapid Communications, 1997, 18, 183-190.	3.9	16
72	Copolymerization of styrene with(Z)-1,3-pentadiene in the presence of a syndiotactic-specific catalyst. Journal of Polymer Science Part A, 1997, 35, 2697-2702.	2.3	16

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73	Pollutants monitoring and air quality evaluation in a confined environment: The â€˜Majestyâ€™ of Ambrogio Lorenzetti in the St. Augustine Church in Siena (Italy). Atmospheric Pollution Research, 2016, 7, 754-761.	3.8	15
74	The fascinating world of mayenite (Ca12Al14O33) and its derivatives. Rendiconti Lincei, 2021, 32, 699-708.	2.2	15
75	Combination of foam fractionation and photo-Fenton like processes for greywater treatment. Separation and Purification Technology, 2022, 293, 121114.	7.9	15
76	A Multiâ€optical Collector of Sunlight Employing Luminescent Materials and Photonic Nanostructures. Advanced Optical Materials, 2016, 4, 147-155.	7.3	14
77	Development of a new radial passive sampling device for atmospheric NOx determination. Talanta, 2018, 190, 199-203.	5.5	14
78	Enhanced solubility of trichloroethylene (TCE) by a poly-oxyethylene alcohol as green surfactant. Environmental Technology and Innovation, 2018, 12, 72-79.	6.1	14
79	Regioselective Ringâ€Opening of Glycidol to Monoalkyl Glyceryl Ethers Promoted by an [OSSO]â€Fe^{III} Triflate Complex. ChemSusChem, 2019, 12, 3448-3452.	6.8	14
80	New analytical approach to monitoring air quality in historical monuments through the isotopic ratio of CO2. Environmental Science and Pollution Research, 2022, 29, 29385-29390.	5.3	14
81	Fe3+- IDS as a new green catalyst for water treatment by photo-Fenton process at neutral pH. Journal of Environmental Chemical Engineering, 2021, 9, 106802.	6.7	14
82	A new sorbent tube for atmospheric NOx determination by active sampling. Talanta, 2017, 164, 403-406.	5.5	13
83	Bio-Glycidol Conversion to Solketal over Acid Heterogeneous Catalysts: Synthesis and Theoretical Approach. Catalysts, 2018, 8, 391.	3.5	13
84	Oxidative Degradation of Trichloroethylene over Fe2O3-doped Mayenite: Chlorine Poisoning Mitigation and Improved Catalytic Performance. Catalysts, 2019, 9, 747.	3.5	13
85	Trichloroethylene solubilization using a series of commercial biodegradable ethoxylated fatty alcohol surfactants. Journal of Chemical Technology and Biotechnology, 2019, 94, 3523-3529.	3.2	13
86	A study on the applicability of zinc acetate impregnated silica substrate in the collection of hydrogen sulfide by active sampling. Talanta, 2014, 128, 268-272.	5.5	11
87	FTIR and NDIR spectroscopies as valuable alternatives to IRMS spectrometry for the Î´ 13 C analysis of food. Talanta, 2016, 160, 276-281.	5.5	11
88	An alternative approach for the decontamination of hospital settings. Journal of Infection and Public Health, 2020, 13, 2038-2044.	4.1	11
89	Paleodiet characterisation of an Etrurian population of Pontecagnano (Italy) by Isotope Ratio Mass Spectrometry (IRMS) and Atomic Absorption Spectrometry (AAS)#. Isotopes in Environmental and Health Studies, 2006, 42, 151-158.	1.0	10
90	Investigations on historical monumentsâ€™ deterioration through chemical and isotopic analyses: an Italian case study. Environmental Science and Pollution Research, 2022, 29, 29409-29418.	5.3	10

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91	Ethylene polymerization promoted by dinuclear titanium p-tert-butylthiacalix[4]arene complexes. European Polymer Journal, 2009, 45, 2138-2141.	5.4	9
92	Leonardo da Vinciâ€™s â€œLast Supperâ€: a case study to evaluate the influence of visitors on the Museum preservation systems. Environmental Science and Pollution Research, 2021, , 1.	5.3	9
93	One-Year Surveillance of the Chemical and Microbial Quality of Drinking Water Shuttled to the Eolian Islands. Water (Switzerland), 2014, 6, 139-149.	2.7	8
94	Development of a new vapour phase methodology for textiles disinfection. Cleaner Engineering and Technology, 2021, 4, 100170.	4.0	8
95	Low molecular mass model compounds of alternating ethylene-styrene copolymers. Macromolecular Chemistry and Physics, 1999, 200, 1086-1088.	2.2	7
96	Synthesis of an alternating ethylene-p-chlorostyrene copolymer. Macromolecular Chemistry and Physics, 1999, 200, 1961-1964.	2.2	7
97	ZrCl4(THF)2/Methylaluminoxane as the Catalyst for the Syndiotactic Polymerization of Styrene. Macromolecular Rapid Communications, 2002, 23, 183-186.	3.9	7
98	Styreneâ€“isoprene and styreneâ€“1,3-pentadiene copolymerisation catalyzed by titanium [OSSO]-type catalysts. RSC Advances, 2015, 5, 65998-66004.	3.6	7
99	Binary copolymerization of 4-methyl-1,3-pentadiene with styrene, butadiene and isoprene catalysed by a titanium [OSSO]-type catalyst. Polymer International, 2017, 66, 144-150.	3.1	7
100	Optimization of the anaerobic denitrification process mediated by Bacillus cereus in a batch reactor. Environmental Technology and Innovation, 2019, 16, 100456.	6.1	7
101	Preferential Use of the Perchlorate over the Nitrate in the Respiratory Processes Mediated by the Bacterium Azospira sp. OGA 24. Water (Switzerland), 2020, 12, 2220.	2.7	7
102	New green route to obtain (bio)-propene through 1,2-propanediol deoxydehydration. Sustainable Chemistry and Pharmacy, 2020, 17, 100273.	3.3	7
103	Application of 13C Quantitative NMR Spectroscopy to Isotopic Analyses for Vanillin Authentication Source. Foods, 2021, 10, 2635.	4.3	7
104	Glycerol carbonate structuring in aqueous solutions as inferred from mutual diffusion coefficient, density and viscosity measurements in the temperature range 283.15â€“313.15ÂK. Journal of Molecular Liquids, 2022, 357, 119114.	4.9	7
105	Asymmetric hydrodimerization of styrene by a chiral zirconium complex containing a tetradentate [OSSO]-type bis(phenolato) ligand. Catalysis Communications, 2011, 12, 1113-1117.	3.3	6
106	A step towards bio-surfactants: Monoalkylglyceryl ethers synthesis through glycidol alcoholysis with long-chain alcohols catalyzed by Al(OTf)3. Sustainable Chemistry and Pharmacy, 2020, 17, 100281.	3.3	6
107	Environmental Application of Extra-Framework Oxygen Anions in the Nano-Cages of Mayenite. Lecture Notes in Bioengineering, 2018, , 131-139.	0.4	5
108	Glycidol syntheses and valorizations: Boosting the glycerol biorefinery. Current Opinion in Green and Sustainable Chemistry, 2022, 35, 100624.	5.9	5

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109	Catalytic Routes to Produce Polyphenolic Esters (PEs) from Biomass Feedstocks. Catalysts, 2022, 12, 447.	3.5	4
110	Structure of Isotactic Ethylene/4-Methyl-1,3-pentadiene Alternating Copolymers Obtained from Postmetallocene Catalysts. Macromolecules, 2015, 48, 6931-6940.	4.8	3
111	Chemically stable Au nanorods as probes for sensitive surface enhanced scattering (SERS) analysis of blue BIC ballpoint pens. AIP Conference Proceedings, 2017, , .	0.4	3
112	Effect of the aqueous matrix on the inactivation of E. coli by permaleic acid. Science of the Total Environment, 2021, 767, 144395.	8.0	3
113	The Stereoselective Polymerization of Linear Conjugated Dienes. , 2007, , 447-473.		3
114	Stereochemistry of Polymerization of Some Î±-Olefins in the Presence of Ziegler-Type Catalysts. , 1995, , 217-235.		2
115	Physical Constraints on Global Social-Ecological Energy System. Energies, 2021, 14, 8177.	3.1	1
116	Cover Image, Volume 94, Issue 11. Journal of Chemical Technology and Biotechnology, 2019, 94, i.	3.2	0