

Andre Margailan

List of Publications by Year in descending order

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80
papers

3,091
citations

186209

28
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168321

53
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84
all docs

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docs citations

84
times ranked

3466
citing authors

#	ARTICLE	IF	CITATIONS
1	Fouling Release Coatings: A Nontoxic Alternative to Biocidal Antifouling Coatings. <i>Chemical Reviews</i> , 2012, 112, 4347-4390.	23.0	959
2	Recent advances on ion-imprinted polymers. <i>Reactive and Functional Polymers</i> , 2013, 73, 859-875.	2.0	275
3	Correlation between water diffusion and adhesion loss: Study of an epoxy primer on steel. <i>Progress in Organic Coatings</i> , 2009, 66, 276-280.	1.9	81
4	Synthesis of hybrid TiO ₂ nanoparticles with well-defined poly(methyl methacrylate) and poly(tert-butyltrimethylsilyl methacrylate) via the RAFT process. <i>Polymer</i> , 2009, 50, 3095-3102.	1.8	74
5	Natural and artificial weathering characteristics of stabilized acrylic-urethane paints. <i>Polymer Degradation and Stability</i> , 2008, 93, 896-903.	2.7	62
6	Degradation study of polymer coating: Improvement in coating weatherability testing and coating failure prediction. <i>Progress in Organic Coatings</i> , 2009, 64, 466-473.	1.9	61
7	Complex Formation of β -Cyclodextrin- and Perfluorocarbon-Modified Water-Soluble Polymers. <i>Langmuir</i> , 1998, 14, 4972-4977.	1.6	57
8	New Insights into the Adsorption of 3-(Trimethoxysilyl)propylmethacrylate on Hydroxylated ZnO Nanopowders. <i>Langmuir</i> , 2012, 28, 3290-3297.	1.6	52
9	Poly(trialkylsilyl methacrylate)s: A family of hydrolysable polymers with tuneable erosion profiles. <i>Polymer Degradation and Stability</i> , 2010, 95, 1260-1268.	2.7	50
10	Development of polyorganosilazane-silicone marine coatings. <i>Progress in Organic Coatings</i> , 2014, 77, 1919-1928.	1.9	45
11	New acrylic titanium polymers: 1. Synthesis and characterisation of new titanium trialkoxide methacrylate monomers prepared via the esterification of methacrylic acid by titanium tetraalkoxides. <i>Polymer</i> , 1998, 39, 6525-6531.	1.8	44
12	3D-printed lab-on-valve for fluorescent determination of cadmium and lead in water. <i>Talanta</i> , 2018, 183, 201-208.	2.9	44
13	Polysiloxane-Based Block Copolymers with Marine Bacterial Anti-Adhesion Properties. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 15578-15586.	4.0	43
14	3D-printed flow system for determination of lead in natural waters. <i>Talanta</i> , 2017, 168, 298-302.	2.9	42
15	Complexation of an acrylic resin by tertiary amines: synthesis and characterisation of new binders for antifouling paints. <i>European Polymer Journal</i> , 2003, 39, 319-326.	2.6	36
16	Bioassays and field immersion tests: a comparison of the antifouling activity of copper-free poly(methacrylic)-based coatings containing tertiary amines and ammonium salt groups. <i>Biofouling</i> , 2010, 26, 769-777.	0.8	36
17	Well-defined graft copolymers of tert-butyltrimethylsilyl methacrylate and poly(dimethylsiloxane) macromonomers synthesized by RAFT polymerization. <i>Polymer Chemistry</i> , 2013, 4, 3282.	1.9	36
18	Synthesis and characterization of a polystyrenic resin functionalized by catechol: Application to retention of metal ions. <i>Reactive and Functional Polymers</i> , 2008, 68, 1362-1370.	2.0	34

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19	Erosion study of poly(trialkylsilyl methacrylate)-based antifouling coatings. Progress in Organic Coatings, 2009, 66, 400-405.	1.9	34
20	Linear and branched alkyl substituted octakis(dimethylsiloxy)octasilsesquioxanes: WAXS and thermal properties. European Polymer Journal, 2011, 47, 1370-1382.	2.6	34
21	Controlled radical polymerization of a trialkylsilyl methacrylate by reversible addition-fragmentation chain transfer polymerization. Journal of Polymer Science Part A, 2005, 43, 5680-5689.	2.5	33
22	Hydrolyzable Additive-Based Silicone Elastomers: A New Approach for Antifouling Coatings. Polymers, 2019, 11, 305.	2.0	33
23	Inverse Suspension Polymerization as a New Tool for the Synthesis of Ion-Imprinted Polymers. Macromolecular Rapid Communications, 2012, 33, 928-932.	2.0	32
24	Salicylic acid and derivatives anchored on poly(styrene-co-divinylbenzene) resin and membrane via a diazo bridge: Synthesis, characterisation and application to metal extraction. Reactive and Functional Polymers, 2008, 68, 775-786.	2.0	31
25	New acrylic titanium polymers: 2. Synthesis and characterization of organotitanium polymers. Polymer, 1998, 39, 6533-6539.	1.8	30
26	Effect of porogen solvent on the properties of nickel ion imprinted polymer materials prepared by inverse suspension polymerization. European Polymer Journal, 2017, 87, 124-135.	2.6	30
27	Optimized silyl ester diblock methacrylic copolymers: A new class of binders for chemically active antifouling coatings. Progress in Organic Coatings, 2014, 77, 665-673.	1.9	29
28	On-line solid-phase extraction and multisyringe flow injection analysis of Al(III) and Fe(III) in drinking water. Analytical and Bioanalytical Chemistry, 2007, 389, 1595-1602.	1.9	28
29	Synthesis of N-alkyl- and N-arylalkylacrylamides and micellar copolymerization with acrylamide. European Polymer Journal, 2000, 36, 1853-1863.	2.6	27
30	Synthesis of novel random and block copolymers of tert-butyldimethylsilyl methacrylate and methyl methacrylate by RAFT polymerization. Polymer, 2009, 50, 3086-3094.	1.8	25
31	Synthesis of a poly(vinylcatechol-co-divinylbenzene) resin and accessibility to catechol units. Polymer, 2010, 51, 2472-2478.	1.8	25
32	Fluorimetric determination of aluminium in water by sequential injection through column extraction. Analytical and Bioanalytical Chemistry, 2004, 378, 1652-1658.	1.9	24
33	Electrochemical sensors modified with ion-imprinted polymers for metal ion detection. TrAC - Trends in Analytical Chemistry, 2022, 148, 116536.	5.8	24
34	Using Conducting Polymers as Active Agents for Marine Antifouling Paints. Materials Research, 2015, 18, 1129-1139.	0.6	23
35	Surface modification of silk fibroin fibers with poly(methyl methacrylate) and poly(tributylsilyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Engineering C, 2015, 51, 233-241.	3.8	23
36	Amphiphilic hydrolyzable polydimethylsiloxane-b-poly(ethyleneglycol methacrylate-co-trialkylsilyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Polymer, 2020, 186, 121954.	1.8	23

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37	Modification of poly(styrene-co-divinylbenzene) resin by grafting on an aluminium selective ligand. <i>Polymer International</i> , 2002, 51, 1050-1057.	1.6	22
38	Tin-free self-polishing marine antifouling coatings. , 2009, , 445-491.		22
39	Synthesis and applications of XAD-4-DAN chelate resin for the separation and determination of Se(IV). <i>Reactive and Functional Polymers</i> , 2009, 69, 877-883.	2.0	22
40	Assessment and modelling of Ni(II) retention by an ion-imprinted polymer: Application in natural samples. <i>Journal of Colloid and Interface Science</i> , 2015, 448, 473-481.	5.0	22
41	Synthesis, characterisation and aqueous behaviour of a one-ended perfluorocarbon-modified poly(ethylene glycol). <i>Polymer</i> , 2002, 43, 5329-5334.	1.8	21
42	Catechol immobilized on crosslinked polystyrene resins by grafting or copolymerization: Incidence on metal ions adsorption. <i>Reactive and Functional Polymers</i> , 2012, 72, 98-106.	2.0	20
43	Amphiphilic hydrolyzable polydimethylsiloxane- <i>b</i> -poly(ethyleneglycol) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td (met Antifouling laboratory tests and field trials. <i>Biofouling</i> , 2020, 36, 378-388.	0.8	20
44	Effects of octa(3-chloroammoniumpropyl)octasilsesquioxane on the epoxy self-polymerisation and epoxy-amine curing. <i>Thermochimica Acta</i> , 2009, 491, 97-102.	1.2	19
45	Synthesis and structural study of new copolymers, based on acrylamide and N-acryloyl acids, with persistent drag reduction activity. <i>Polymer</i> , 1998, 39, 3187-3192.	1.8	18
46	Well-defined diblock copolymers of poly(tert-butyltrimethylsilyl methacrylate) and poly(dimethylsiloxane) synthesized by RAFT polymerization. <i>Polymer</i> , 2014, 55, 39-47.	1.8	18
47	Synthesis and characterization of diblock and statistical copolymers based on hydrolyzable siloxy silylester methacrylate monomers. <i>Polymer Chemistry</i> , 2014, 5, 2109.	1.9	18
48	Triorganosilyl methacrylates: kinetic studies of radical homopolymerization and radical copolymerization with methyl methacrylate. <i>Polymer</i> , 1994, 35, 4392-4396.	1.8	17
49	Modified 3D-printed device for mercury determination in waters. <i>Analytica Chimica Acta</i> , 2019, 1082, 78-85.	2.6	17
50	Evaluation of physico-chemical changes in sub-layers of multi-layer anticorrosive marine paint systems: Plasticizer and solvent release. <i>Progress in Organic Coatings</i> , 2008, 61, 53-62.	1.9	15
51	Copolymers of <i>N</i> -alkyl- and <i>N</i> -aryalkylacrylamides with acrylamide: influence of hydrophobic structure on associative properties. Part I: viscometric behaviour in dilute solution and drag reduction performance. <i>Polymer International</i> , 2009, 58, 149-154.	1.6	15
52	A first insight into the thermal degradation mechanism of silylated methacrylic homopolymers synthesized via the RAFT process. <i>Polymer Degradation and Stability</i> , 2013, 98, 115-121.	2.7	15
53	Characterization of chemically active antifouling paints using electrochemical impedance spectrometry and erosion tests. <i>Progress in Organic Coatings</i> , 2009, 64, 89-97.	1.9	14
54	Statistical design strategies to optimize properties in miniemulsion polymerization of methyl methacrylate. <i>European Polymer Journal</i> , 2009, 45, 1208-1216.	2.6	14

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55	Water erodible coatings based on a hydrolyzable PDMS/polyester network. <i>Materials Today Communications</i> , 2018, 17, 517-526.	0.9	14
56	Synthesis of ZnO nanoparticles with tunable size and surface hydroxylation. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	13
57	Computational analysis of internal stresses generated during the manufacturing process of a monolayer or three-layer pipeline coating. <i>Computational Materials Science</i> , 2010, 48, 360-365.	1.4	12
58	A new microemulsion approach for producing molecularly imprinted polymers with selective recognition cavities for gallic acid. <i>Polymer International</i> , 2013, 62, 949-956.	1.6	12
59	Synthesis and characterization of PS-block-PEO associative water-soluble polymers. <i>European Polymer Journal</i> , 2003, 39, 333-339.	2.6	11
60	Tailor-made polymer beads for gallic acid recognition and separation. <i>Journal of Polymer Research</i> , 2012, 19, 1.	1.2	11
61	Syntheses of acrylamido acids and copolymerization with acrylamide. Influence of the polymer structure on drag reduction properties. <i>European Polymer Journal</i> , 1998, 34, 1683-1688.	2.6	9
62	Comparative Study on Metal Extraction Properties of Empore SDBâ€œXC and Amberlite XADâ€œ4 Grafted by Salicylic Acid and its Derivatives via Different Bridges. <i>Separation Science and Technology</i> , 2006, 41, 1619-1633.	1.3	9
63	Modification of poly(styrene-co-divinylbenzene) membrane by grafting of salicylic acid via a ketone bridge. <i>European Polymer Journal</i> , 2007, 43, 416-424.	2.6	9
64	Copolymers of <i>N</i> -alkyl and <i>N</i> -acrylyl acrylamides with acrylamide: influence of hydrophobic structure on associative properties. Part II: rheological behaviour in semi-dilute solution. <i>Polymer International</i> , 2009, 58, 155-162.	1.6	9
65	Facile synthesis of graft copolymers of controlled architecture. Copolymerization of fluorinated and non-fluorinated poly(dimethylsiloxane) macromonomers with trialkylsilyl methacrylates using RAFT polymerization. <i>Polymer Chemistry</i> , 2016, 7, 2652-2664.	1.9	9
66	Effects of accelerated ageing conditions on the mechanism of chemically-active antifouling coatings. <i>Progress in Organic Coatings</i> , 2018, 125, 257-265.	1.9	8
67	Siloxy Silylester Methacrylate Diblock Copolymer-Based Coatings with Tunable Erosion and Marine Antifouling Properties. <i>ACS Applied Polymer Materials</i> , 2020, 2, 3291-3300.	2.0	8
68	Associative properties of perfluorooctyl end-functionalized polystyrene-poly(ethylene oxide) diblock copolymers. <i>Polymer International</i> , 2005, 54, 90-95.	1.6	7
69	Copolymerisation de la N acryloyl (I) alanine avec l'acrylamide. <i>European Polymer Journal</i> , 1994, 30, 485-488.	2.6	6
70	CopolymÃ©risation de la N-acryloyl-L-valine et de la N-acryloyl-L-phÃ©nylalanine avec l'acrylamide. <i>Macromolecular Chemistry and Physics</i> , 1995, 196, 167-175.	1.1	6
71	Thermal degradation of hydroxyalkylated poly(dimethylsiloxane)s and poly(dimethylsiloxane)-poly(trialkylsilyl methacrylate) based block copolymers synthesized by RAFT polymerization. <i>Polymer Degradation and Stability</i> , 2019, 164, 136-144.	2.7	6
72	Apparatus for measuring hydrodynamic friction: Application to coatings. <i>Polymer Testing</i> , 1992, 11, 37-46.	2.3	5

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73	Composition and plasticizing effect of poly(carboxylic acid) complexes with amino compounds. European Polymer Journal, 2008, 44, 3320-3325.	2.6	5
74	RAFT Polymerization of Tert-Butyldimethylsilyl Methacrylate: Kinetic Study and Determination of Rate Coefficients. Polymers, 2018, 10, 224.	2.0	5
75	Fragmentation pathways of methacrylic homopolymers with labile trialkylsilyl ester side-groups: A mass spectrometric investigation of the RAFT process. International Journal of Mass Spectrometry, 2012, 311, 31-39.	0.7	4
76	Synthèse de l'acide 2-acrylamido 2-méthylpropanoïque et copolymérisation avec l'acrylamide. Macromolecular Chemistry and Physics, 1996, 197, 2595-2602.	1.1	2
77	SYNTHESE ET ETUDE PHYSICO-CHIMIQUE DE MATERIAUX A FINALITE THERMOMECANIQUE SPECIFIQUE. European Polymer Journal, 1997, 33, 1153-1160.	2.6	2
78	Terpolymérisation radicalaire de l'acrylamide, de l'acide acrylique et de l'acrylamide de N-(1,1-diméthyl-3-oxobutyle). European Polymer Journal, 1998, 34, 1007-1012.	2.6	2
79	Reversible PMMA-PEO nanoaggregates of controlled size by stereospecific interactions between isotactic PMMA and PEO in dilute solution and on surface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 485, 96-101.	2.3	0
80	A new process to prepare pzt ceramics via a hybrid organic-inorganic route. European Journal of Control, 2004, 29, 25-37.	1.6	0