Valter Castelvetro

List of Publications by Year in Descending Order

82 papers	1,923 citations	24 h-index	40 g-index
91 ext. papers	2,143 ext. citations	5.1 avg, IF	4.66 L-index

#	Paper	IF	Citations
82	Rheological Response of Polylactic Acid Dispersions in Water with Xanthan Gum.. *ACS Omega*, **2022**, 7, 12536-12548	3.9	
81	Soil contamination by microplastics in relation to local agricultural development as revealed by FTIR, ICP-MS and pyrolysis-GC/MS.. *Environmental Pollution*, **2022**, 303, 119016	9.3	0
80	Seeping plastics: Potentially harmful molecular fragments leaching out from microplastics during accelerated ageing in seawater.. *Water Research*, **2022**, 219, 118521	12.5	1
79	A Systematic Study on the Degradation Products Generated from Artificially Aged Microplastics. *Polymers*, **2021**, 13,	4.5	10
78	Plastic breeze: Volatile organic compounds (VOCs) emitted by degrading macro- and microplastics analyzed by selected ion flow-tube mass spectrometry. *Chemosphere*, **2021**, 270, 128612	8.4	12
77	Nylon 6 and nylon 6,6 micro- and nanoplastics: A first example of their accurate quantification, along with polyester (PET), in wastewater treatment plant sludges. *Journal of Hazardous Materials*, **2021**, 407, 124364	12.8	13
76	Polymer Identification and Specific Analysis (PISA) of Microplastic Total Mass in Sediments of the Protected Marine Area of the Meloria Shoals. *Polymers*, **2021**, 13,	4.5	6
75	Evolution of calcite surfaces upon thermal decomposition, characterized by electrokinetics, in-situ XRD, and SEM. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2021**, 624, 126761	5.1	2
74	Toward a Reversible Consolidation of Paper Materials Using Cellulose Nanocrystals. *ACS Applied Materials & Interfaces*, **2021**, 13, 44972-44982	9.5	6
73	Understanding the Source, Distribution, and Fate of Micro- and Nanoplastics in Natural Water Bodies. *Environmental Science and Engineering*, **2021**, 2167-2171	0.2	
72	New methodologies for the detection, identification, and quantification of microplastics and their environmental degradation by-products. *Environmental Science and Pollution Research*, **2021**, 28, 46764-46780	5.1	14
71	Thorough Multianalytical Characterization and Quantification of Micro- and Nanoplastics from Bracciano Lake Sediments. *Sustainability*, **2020**, 12, 878	3.6	21
70	Quantification of poly(ethylene terephthalate) micro- and nanoparticle contaminants in marine sediments and other environmental matrices. *Journal of Hazardous Materials*, **2020**, 385, 121517	12.8	27
69	Release of harmful volatile organic compounds (VOCs) from photo-degraded plastic debris: A neglected source of environmental pollution. *Journal of Hazardous Materials*, **2020**, 394, 122596	12.8	51
68	Microplastics in fish meal: Contamination level analyzed by polymer type, including polyester (PET), polyolefins, and polystyrene. *Environmental Pollution*, **2020**, 273, 115792	9.3	13
67	The Hidden Microplastics: New Insights and Figures from the Thorough Separation and Characterization of Microplastics and of Their Degradation Byproducts in Coastal Sediments. *Environmental Science & Technology*, **2018**, 52, 5634-5643	10.3	86
66	Characterization of the artist's palette from the polychrome decorations of the El Bahia Palace doors (Marrakesh, Morocco). *Journal of Cultural Heritage*, **2018**, 33, 213-221	2.9	1

65	Preparation of Water Suspensions of Nanocalcite for Cultural Heritage Applications. *Nanomaterials*, **2018**, 8,	5.4	10
64	Electrokinetic Characterization of Natural Stones Coated with Nanocomposites for the Protection of Cultural Heritage. *Applied Sciences (Switzerland)*, **2018**, 8, 1694	2.6	5
63	Selective determination of poly(styrene) and polyolefin microplastics in sandy beach sediments by gel permeation chromatography coupled with fluorescence detection. *Marine Pollution Bulletin*, **2018**, 136, 269-275	6.7	16
62	Highly thermostable and crystalline poly(butylene adipate) bionanocomposites prepared by in situ polycondensation with organically modified Moroccan beidellite clay. *Polymer International*, **2017**, 66, 939-949	3.3	6
61	The reactivity of tungsten hexachloride with tetrahydrofuran and 2-methoxyethanol. *Polyhedron*, **2016**, 117, 769-776	2.7	9
60	Complex Dynamics of a Fluorinated Vinylidene Cyanide Copolymer Highlighted by Dielectric Relaxation Spectroscopy. *Macromolecules*, **2016**, 49, 5104-5114	5.5	10
59	Emulsion Blending Approach for the Preparation of Gelatin/Poly(butylene succinate--adipate) Films. *ACS Biomaterials Science and Engineering*, **2016**, 2, 677-686	5.5	6
58	Dynamic light scattering study of temperature and pH sensitive colloidal microgels. *Journal of Non-Crystalline Solids*, **2015**, 407, 361-366	3.9	22
57	Local structure of temperature and pH-sensitive colloidal microgels. *Journal of Chemical Physics*, **2015**, 143, 114904	3.9	13
56	Characterization of the organic materials used in the painting of the vaulted ceiling at the Saadian Tomb of Mulay Ahmed Al-Mansour (Marrakech). *Journal of Cultural Heritage*, **2014**, 15, 300-307	2.9	11
55	Expanding the application field of post-consumer poly(ethylene terephthalate) through structural modification by reactive blending. *Journal of Applied Polymer Science*, **2014**, 131, n/a-n/a	2.9	18
54	Functionalized carbon nanotubes as a filler for dielectric elastomer composites with improved actuation performance. *Smart Materials and Structures*, **2013**, 22, 055025	3.4	44
53	Hierarchical dual-sized film surface morphologies self-generated from fluorinated binary latex blends boost hydrophobicity and lipophobicity. *Journal of Colloid and Interface Science*, **2012**, 378, 210-21	3.3	4
52	Chain extension and branching of poly(ethylene terephthalate) (PET) with di- and multifunctional epoxy or isocyanate additives: An experimental and modelling study. *Reactive and Functional Polymers*, **2012**, 72, 50-60	4.6	89
51	Facile hydrophobic modification of hybrid poly(urethane-urea)methacrylate aqueous dispersions and films through blending with novel waterborne fluorinated acrylic copolymers. *Colloid and Polymer Science*, **2012**, 290, 491-506	2.4	9
50	Properties of a Dielectric Elastomer Actuator Modified by Dispersion of Functionalised Carbon Nanotubes. *Advances in Science and Technology*, **2012**, 79, 41-46	0.1	2
49	Conversion of post-industrial PET-PE scraps into compatibilized plastic blends for new applications **2012**,		3
48	Amphiphilic amylose-g-poly(meth)acrylate copolymers through "click" onto grafting method. *Biomacromolecules*, **2011**, 12, 388-98	6.9	30

47	Thermal degradation behaviour of a nearly alternating copolymer of vinylidene cyanide with 2,2,2-trifluoroethyl methacrylate. *Polymer Degradation and Stability*, **2011**, 96, 204-211	4.7	8
46	Three different Ecyclodextrins direct the emulsion copolymerization of a highly fluorinated methacrylate toward distinctive nanostructured particle morphologies. *Journal of Polymer Science Part A*, **2011**, 49, 4518-4530	2.5	9
45	A tri-block copolymer templated synthesis of gold nanostructures. *Journal of Colloid and Interface Science*, **2011**, 357, 88-94	9.3	14
44	Radical copolymerization of vinylidene cyanide with 2,2,2-trifluoroethyl methacrylate: Structure and characterization. *Journal of Polymer Science Part A*, **2010**, 48, 4900-4908	2.5	13
43	Surface Monitoring of Surfactant Phase Separation and Stability in Waterborne Acrylic Coatings. *Chemistry of Materials*, **2007**, 19, 6107-6113	9.6	35
42	Cotton fibers encapsulated with homo- and block copolymers: synthesis by the atom transfer radical polymerization grafting-from technique and solid-state NMR dynamic investigations. *Biomacromolecules*, **2007**, 8, 498-508	6.9	40
41	Role of anionic and nonionic surfactants on the control of particle size and latex colloidal stability in the seeded emulsion polymerization of butyl methacrylate. *Journal of Applied Polymer Science*, **2006**, 102, 3083-3094	2.9	15
40	Hybrid Nanocomposite Films from Mono- and Multi-Functional POSS Copolyacrylates in Miniemulsion. *Macromolecular Rapid Communications*, **2006**, 27, 619-625	4.8	18
39	Formation of Short and Long Chain Branches during the Free Radical Functionalization of Polyamide 6 in the Melt. *Macromolecules*, **2006**, 39, 2153-2161	5.5	17
38	Rheological and Thermal Properties of Narrow Distribution Poly(ethyl acrylate)s. *Macromolecules*, **2006**, 39, 1880-1889	5.5	34
37	Copolymers of Isopropenyl Alkyl Ethers with Fluorinated Acrylates and Fluoroacrylates: Influence of Fluorine on Their Thermal, Photochemical, and Hydrolytic Stability. *Macromolecules*, **2006**, 39, 1749-1758	5.5	27
36	Graft Polymerisation of Functional Acrylic Monomers onto Cotton Fibres Activated by Continuous Ar Plasma. *Plasma Processes and Polymers*, **2006**, 3, 48-57	3.4	26
35	Free radical generation upon plasma treatment of cotton fibers and their initiation efficiency in surface-graft polymerization. *Journal of Colloid and Interface Science*, **2005**, 289, 455-65	9.3	44
34	Novel Partially Fluorinated Copolymers: Evidence of the Effect of Fluorine on the Reactivity of the Unfluorinated Comonomer Units. *Macromolecular Rapid Communications*, **2005**, 26, 75-81	4.8	9
33	Alkoxysilane Functional Acrylic Latexes: Influence of Copolymer Composition on Self-Curing Behavior and Film Properties. *Macromolecular Symposia*, **2005**, 226, 289-302	0.8	12
32	Synthesis and reactivity of a fluorinated N-alkylmaleimide towards free-radical grafting and polymerization reactions. *Journal of Fluorine Chemistry*, **2004**, 125, 315-328	2.1	10
31	Nanostructured hybrid materials from aqueous polymer dispersions. *Advances in Colloid and Interface Science*, **2004**, 108-109, 167-85	14.3	134
30	The application of the contact angle in monument protection: new materials and methods. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2004**, 241, 299-312	5.1	40

29	Crossover region and entanglement in nearly monodisperse poly(ethyl acrylates) studied with electron spin resonance spectroscopy. *Philosophical Magazine*, **2004**, 84, 1555-1565	1.6	14
28	Photochemical stability of partially fluorinated acrylic protective coatings IV. Copolymers of 2,2,2-trifluoroethyl methacrylate and methyl α-trifluoromethyl acrylate with vinyl ethers. *Polymer Degradation and Stability*, **2003**, 79, 345-351	4.7	24
27	Photoconductive films of poly-N-vinylindole-based blends for high-voltage photorefractive electrooptic cells. *Synthetic Metals*, **2003**, 138, 341-345	3.6	13
26	Rotational dynamics ESR investigation of the cholestane spin probe dissolved in a narrow dispersity poly(ethyl acrylate): effect of the presence of trace amounts of free monomer. *Macromolecular Chemistry and Physics*, **2002**, 203, 1445-1453	2.6	4
25	UV-curing of acrylic formulations by means of polymeric photoinitiators with the active 2,6-dimethylbenzoylphosphine oxide moieties pendant from a tetramethylene side chain. *Macromolecular Chemistry and Physics*, **2002**, 203, 1486-1496	2.6	43
24	Structure control, coating properties, and durability of fluorinated acrylic-based polymers. *Journal of Coatings Technology*, **2002**, 74, 57-66		43
23	Electron beam sensitive LB films of fluorocarbon polymer. *Materials Science and Engineering C*, **2002**, 22, 295-299	8.3	2
22	Tailoring new fluorinated acrylic copolymers as protective coatings for marble. *Journal of Cultural Heritage*, **2002**, 3, 309-316	2.9	115
21	Synthesis and surface properties of microphase separated or nanostructured coatings based on hybrid and fluorinated acrylic copolymers. *Macromolecular Symposia*, **2002**, 187, 165-176	0.8	7
20	Part 3. Copolymers of 1H,1H,2H,2H-perfluorodecyl acrylate and 2,2,2-trifluoroethyl methacrylate with butyl methacrylate. *Polymer International*, **2001**, 50, 863-868	3.3	23
19	Synthesis and characterization of different poly(1-vinylindole)s for photorefractive materials. *Journal of Polymer Science Part A*, **2001**, 39, 253-262	2.5	41
18	Homo- and copolymers of hexafluoroisopropyl methacrylate and α-fluoroacrylate with alkyl vinyl ethers: Microstructure and thermal properties. *Journal of Polymer Science Part A*, **2001**, 39, 32-45	2.5	16
17	Multifunctional Poly(vinyl ethers) by Controlled Cationic Polymerisation in a Fluorinated Solvent. *Macromolecular Chemistry and Physics*, **2001**, 202, 2093-2103	2.6	10
16	Synthesis of three- and six-arms polystyrene via living/controlled free radical polymerisation. *Polymer*, **2001**, 42, 9347-9353	3.9	21
15	Photochemical Stability of Partially Fluorinated Acrylic Protective Coatings. 2. Copolymers of 1H,1H,2H,2H-Perfluorodecyl Methacrylate with Unfluorinated Acrylic Esters. *Chemistry of Materials*, **2001**, 13, 2843-2849	9.6	25
14	Evaluating Fluorinated Acrylic Latices as Textile Water and Oil Repellent Finishes. *Textile Reseach Journal*, **2001**, 71, 399-406	1.7	34
13	Fluorinated polymeric materials for the protection of monumental buildings. *Macromolecular Symposia*, **2000**, 152, 211-222	0.8	14
12	On the surface properties of waterborne fluorinated coating polymers **2000**, 278, 6-16		23

11	Comparative evaluation of fluorinated and unfluorinated acrylic copolymers as water-repellent coating materials for stone. *Journal of Applied Polymer Science*, **2000**, 76, 962-977	2.9	132
10	Photochemical stability of partially fluorinated acrylic protective coatings I. Poly(2,2,2-trifluoroethyl methacrylate) and poly(1H,1H,2H,2H-perfluorodecyl methacrylate-co-2-ethylhexyl methacrylate)s. *Polymer Degradation and Stability*, **2000**, 67, 461-467	4.7	49
9	Poly(1-vinylindole) and some of its methyl derivatives as substrates for photorefractive materials: their synthesis, optical, and electrical characterization **2000**, 4104, 71		1
8	Investigation on the wettability properties of thin films of methacrylic polymers with partially fluorinated side chains. *Macromolecular Chemistry and Physics*, **1998**, 199, 2425-2431	2.6	18
7	Adapting the properties of new fluorinated acrylic polymers to suit the conservation of ancient monuments. *Journal of Coatings Technology and Research*, **1998**, 81, 551-556		19
6	Functionalization of polyolefins in the melt through reaction with molecules and macromolecules. *Macromolecular Symposia*, **1997**, 118, 311-316	0.8	13
5	Liquid Crystalline Side Chain Polysiloxanes with 4-Cyano- and 4-Alkoxy-Stilbene Mesogenic Units. *Journal of Macromolecular Science - Pure and Applied Chemistry*, **1997**, 34, 2205-2225	2.2	1
4	New fluorinated acrylic polymers for improving weatherability of building stone materials. *Progress in Organic Coatings*, **1997**, 32, 43-50	4.8	73
3	Stilbene-containing liquid crystalline side chain homo- and copolysiloxanes: Microphase separation and chemical modification to electroconducting materials. *Polymer International*, **1996**, 39, 37-46	3.3	1
2	D.c. electrical transport in a new conducting polymer: oxidized poly(N-vinylpyrrole). *Synthetic Metals*, **1992**, 46, 127-131	3.6	12
1	Control of the photochemical reactivity of coordination compounds by formation of supramolecular structures: the case of the hexacyanocobaltate(III) anion associated with polyammonium macrocyclic receptors. *Journal of the American Chemical Society*, **1985**, 107, 6888-6892	16.4	54