

# Valter Castelvetro

## List of Publications by Citations

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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.

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	Nanostructured hybrid materials from aqueous polymer dispersions. <i>Advances in Colloid and Interface Science</i> , <b>2004</b> , 108-109, 167-85	14.3	134
81	Comparative evaluation of fluorinated and unfluorinated acrylic copolymers as water-repellent coating materials for stone. <i>Journal of Applied Polymer Science</i> , <b>2000</b> , 76, 962-977	2.9	132
80	Tailoring new fluorinated acrylic copolymers as protective coatings for marble. <i>Journal of Cultural Heritage</i> , <b>2002</b> , 3, 309-316	2.9	115
79	Chain extension and branching of poly(ethylene terephthalate) (PET) with di- and multifunctional epoxy or isocyanate additives: An experimental and modelling study. <i>Reactive and Functional Polymers</i> , <b>2012</b> , 72, 50-60	4.6	89
78	The Hidden Microplastics: New Insights and Figures from the Thorough Separation and Characterization of Microplastics and of Their Degradation Byproducts in Coastal Sediments. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 5634-5643	10.3	86
77	New fluorinated acrylic polymers for improving weatherability of building stone materials. <i>Progress in Organic Coatings</i> , <b>1997</b> , 32, 43-50	4.8	73
76	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. <i>Journal of the American Chemical Society</i> , <b>1985</b> , 107, 6888-6892	16.4	54
75	Release of harmful volatile organic compounds (VOCs) from photo-degraded plastic debris: A neglected source of environmental pollution. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 394, 122596	12.8	51
74	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. <i>Polymer Degradation and Stability</i> , <b>2000</b> , 67, 461-467	4.7	49
73	Functionalized carbon nanotubes as a filler for dielectric elastomer composites with improved actuation performance. <i>Smart Materials and Structures</i> , <b>2013</b> , 22, 055025	3.4	44
72	Free radical generation upon plasma treatment of cotton fibers and their initiation efficiency in surface-graft polymerization. <i>Journal of Colloid and Interface Science</i> , <b>2005</b> , 289, 455-65	9.3	44
71	UV-curing of acrylic formulations by means of polymeric photoinitiators with the active 2,6-dimethylbenzoylphosphine oxide moieties pendant from a tetramethylene side chain. <i>Macromolecular Chemistry and Physics</i> , <b>2002</b> , 203, 1486-1496	2.6	43
70	Structure control, coating properties, and durability of fluorinated acrylic-based polymers. <i>Journal of Coatings Technology</i> , <b>2002</b> , 74, 57-66		43
69	Synthesis and characterization of different poly(1-vinylindole)s for photorefractive materials. <i>Journal of Polymer Science Part A</i> , <b>2001</b> , 39, 253-262	2.5	41
68	Cotton fibers encapsulated with homo- and block copolymers: synthesis by the atom transfer radical polymerization grafting-from technique and solid-state NMR dynamic investigations. <i>Biomacromolecules</i> , <b>2007</b> , 8, 498-508	6.9	40
67	The application of the contact angle in monument protection: new materials and methods. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2004</b> , 241, 299-312	5.1	40
66	Surface Monitoring of Surfactant Phase Separation and Stability in Waterborne Acrylic Coatings. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 6107-6113	9.6	35

65	Rheological and Thermal Properties of Narrow Distribution Poly(ethyl acrylate)s. <i>Macromolecules</i> , <b>2006</b> , 39, 1880-1889	5.5	34
64	Evaluating Fluorinated Acrylic Latices as Textile Water and Oil Repellent Finishes. <i>Textile Research Journal</i> , <b>2001</b> , 71, 399-406	1.7	34
63	Amphiphilic amylose-g-poly(meth)acrylate copolymers through "click" onto grafting method. <i>Biomacromolecules</i> , <b>2011</b> , 12, 388-98	6.9	30
62	Copolymers of Isopropenyl Alkyl Ethers with Fluorinated Acrylates and Fluoroacrylates: Influence of Fluorine on Their Thermal, Photochemical, and Hydrolytic Stability. <i>Macromolecules</i> , <b>2006</b> , 39, 1749-1758	5.5	27
61	Quantification of poly(ethylene terephthalate) micro- and nanoparticle contaminants in marine sediments and other environmental matrices. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 385, 121517	12.8	27
60	Graft Polymerisation of Functional Acrylic Monomers onto Cotton Fibres Activated by Continuous Ar Plasma. <i>Plasma Processes and Polymers</i> , <b>2006</b> , 3, 48-57	3.4	26
59	Photochemical Stability of Partially Fluorinated Acrylic Protective Coatings. 2. Copolymers of 1H,1H,2H,2H-Perfluorodecyl Methacrylate with Unfluorinated Acrylic Esters. <i>Chemistry of Materials</i> , <b>2001</b> , 13, 2843-2849	9.6	25
58	Photochemical stability of partially fluorinated acrylic protective coatings IV. Copolymers of 2,2,2-trifluoroethyl methacrylate and methyl trifluoromethyl acrylate with vinyl ethers. <i>Polymer Degradation and Stability</i> , <b>2003</b> , 79, 345-351	4.7	24
57	Part 3. Copolymers of 1H,1H,2H,2H-perfluorodecyl acrylate and 2,2,2-trifluoroethyl methacrylate with butyl methacrylate. <i>Polymer International</i> , <b>2001</b> , 50, 863-868	3.3	23
56	On the surface properties of waterborne fluorinated coating polymers <b>2000</b> , 278, 6-16		23
55	Dynamic light scattering study of temperature and pH sensitive colloidal microgels. <i>Journal of Non-Crystalline Solids</i> , <b>2015</b> , 407, 361-366	3.9	22
54	Thorough Multianalytical Characterization and Quantification of Micro- and Nanoplastics from Bracciano Lake Sediments. <i>Sustainability</i> , <b>2020</b> , 12, 878	3.6	21
53	Synthesis of three- and six-arms polystyrene via living/controlled free radical polymerisation. <i>Polymer</i> , <b>2001</b> , 42, 9347-9353	3.9	21
52	Adapting the properties of new fluorinated acrylic polymers to suit the conservation of ancient monuments. <i>Journal of Coatings Technology and Research</i> , <b>1998</b> , 81, 551-556		19
51	Expanding the application field of post-consumer poly(ethylene terephthalate) through structural modification by reactive blending. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	18
50	Investigation on the wettability properties of thin films of methacrylic polymers with partially fluorinated side chains. <i>Macromolecular Chemistry and Physics</i> , <b>1998</b> , 199, 2425-2431	2.6	18
49	Hybrid Nanocomposite Films from Mono- and Multi-Functional POSS Copolyacrylates in Miniemulsion. <i>Macromolecular Rapid Communications</i> , <b>2006</b> , 27, 619-625	4.8	18
48	Formation of Short and Long Chain Branches during the Free Radical Functionalization of Polyamide 6 in the Melt. <i>Macromolecules</i> , <b>2006</b> , 39, 2153-2161	5.5	17

47	Homo- and copolymers of hexafluoroisopropyl methacrylate and fluoroacrylate with alkyl vinyl ethers: Microstructure and thermal properties. <i>Journal of Polymer Science Part A</i> , <b>2001</b> , 39, 32-45	2.5	16
46	Selective determination of poly(styrene) and polyolefin microplastics in sandy beach sediments by gel permeation chromatography coupled with fluorescence detection. <i>Marine Pollution Bulletin</i> , <b>2018</b> , 136, 269-275	6.7	16
45	Role of anionic and nonionic surfactants on the control of particle size and latex colloidal stability in the seeded emulsion polymerization of butyl methacrylate. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 102, 3083-3094	2.9	15
44	A tri-block copolymer templated synthesis of gold nanostructures. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 357, 88-94	9.3	14
43	Crossover region and entanglement in nearly monodisperse poly(ethyl acrylates) studied with electron spin resonance spectroscopy. <i>Philosophical Magazine</i> , <b>2004</b> , 84, 1555-1565	1.6	14
42	Fluorinated polymeric materials for the protection of monumental buildings. <i>Macromolecular Symposia</i> , <b>2000</b> , 152, 211-222	0.8	14
41	New methodologies for the detection, identification, and quantification of microplastics and their environmental degradation by-products. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 46764-46780	5.1	14
40	Local structure of temperature and pH-sensitive colloidal microgels. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 114904	3.9	13
39	Radical copolymerization of vinylidene cyanide with 2,2,2-trifluoroethyl methacrylate: Structure and characterization. <i>Journal of Polymer Science Part A</i> , <b>2010</b> , 48, 4900-4908	2.5	13
38	Functionalization of polyolefins in the melt through reaction with molecules and macromolecules. <i>Macromolecular Symposia</i> , <b>1997</b> , 118, 311-316	0.8	13
37	Photoconductive films of poly-N-vinylindole-based blends for high-voltage photorefractive electrooptic cells. <i>Synthetic Metals</i> , <b>2003</b> , 138, 341-345	3.6	13
36	Microplastics in fish meal: Contamination level analyzed by polymer type, including polyester (PET), polyolefins, and polystyrene. <i>Environmental Pollution</i> , <b>2020</b> , 273, 115792	9.3	13
35	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. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 407, 124364	12.8	13
34	Alkoxysilane Functional Acrylic Latexes: Influence of Copolymer Composition on Self-Curing Behavior and Film Properties. <i>Macromolecular Symposia</i> , <b>2005</b> , 226, 289-302	0.8	12
33	D.c. electrical transport in a new conducting polymer: oxidized poly(N-vinylpyrrole). <i>Synthetic Metals</i> , <b>1992</b> , 46, 127-131	3.6	12
32	Plastic breeze: Volatile organic compounds (VOCs) emitted by degrading macro- and microplastics analyzed by selected ion flow-tube mass spectrometry. <i>Chemosphere</i> , <b>2021</b> , 270, 128612	8.4	12
31	Characterization of the organic materials used in the painting of the vaulted ceiling at the Saadian Tomb of Mulay Ahmed Al-Mansour (Marrakech). <i>Journal of Cultural Heritage</i> , <b>2014</b> , 15, 300-307	2.9	11
30	Complex Dynamics of a Fluorinated Vinylidene Cyanide Copolymer Highlighted by Dielectric Relaxation Spectroscopy. <i>Macromolecules</i> , <b>2016</b> , 49, 5104-5114	5.5	10

29	Preparation of Water Suspensions of Nanocalcite for Cultural Heritage Applications. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	10
28	Synthesis and reactivity of a fluorinated N-alkylmaleimide towards free-radical grafting and polymerization reactions. <i>Journal of Fluorine Chemistry</i> , <b>2004</b> , 125, 315-328	2.1	10
27	Multifunctional Poly(vinyl ethers) by Controlled Cationic Polymerisation in a Fluorinated Solvent. <i>Macromolecular Chemistry and Physics</i> , <b>2001</b> , 202, 2093-2103	2.6	10
26	A Systematic Study on the Degradation Products Generated from Artificially Aged Microplastics. <i>Polymers</i> , <b>2021</b> , 13,	4.5	10
25	The reactivity of tungsten hexachloride with tetrahydrofuran and 2-methoxyethanol. <i>Polyhedron</i> , <b>2016</b> , 117, 769-776	2.7	9
24	Facile hydrophobic modification of hybrid poly(urethane-urea)methacrylate aqueous dispersions and films through blending with novel waterborne fluorinated acrylic copolymers. <i>Colloid and Polymer Science</i> , <b>2012</b> , 290, 491-506	2.4	9
23	Three different Cyclodextrins direct the emulsion copolymerization of a highly fluorinated methacrylate toward distinctive nanostructured particle morphologies. <i>Journal of Polymer Science Part A</i> , <b>2011</b> , 49, 4518-4530	2.5	9
22	Novel Partially Fluorinated Copolymers: Evidence of the Effect of Fluorine on the Reactivity of the Unfluorinated Comonomer Units. <i>Macromolecular Rapid Communications</i> , <b>2005</b> , 26, 75-81	4.8	9
21	Thermal degradation behaviour of a nearly alternating copolymer of vinylidene cyanide with 2,2,2-trifluoroethyl methacrylate. <i>Polymer Degradation and Stability</i> , <b>2011</b> , 96, 204-211	4.7	8
20	Synthesis and surface properties of microphase separated or nanostructured coatings based on hybrid and fluorinated acrylic copolymers. <i>Macromolecular Symposia</i> , <b>2002</b> , 187, 165-176	0.8	7
19	Highly thermostable and crystalline poly(butylene adipate) bionanocomposites prepared by in situ polycondensation with organically modified Moroccan beidellite clay. <i>Polymer International</i> , <b>2017</b> , 66, 939-949	3.3	6
18	Emulsion Blending Approach for the Preparation of Gelatin/Poly(butylene succinate--adipate) Films. <i>ACS Biomaterials Science and Engineering</i> , <b>2016</b> , 2, 677-686	5.5	6
17	Polymer Identification and Specific Analysis (PISA) of Microplastic Total Mass in Sediments of the Protected Marine Area of the Meloria Shoals. <i>Polymers</i> , <b>2021</b> , 13,	4.5	6
16	Toward a Reversible Consolidation of Paper Materials Using Cellulose Nanocrystals. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 44972-44982	9.5	6
15	Electrokinetic Characterization of Natural Stones Coated with Nanocomposites for the Protection of Cultural Heritage. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 1694	2.6	5
14	Hierarchical dual-sized film surface morphologies self-generated from fluorinated binary latex blends boost hydrophobicity and lipophobicity. <i>Journal of Colloid and Interface Science</i> , <b>2012</b> , 378, 210-217	9.3	4
13	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. <i>Macromolecular Chemistry and Physics</i> , <b>2002</b> , 203, 1445-1453	2.6	4
12	Conversion of post-industrial PET-PE scraps into compatibilized plastic blends for new applications <b>2012</b> ,		3

11	Properties of a Dielectric Elastomer Actuator Modified by Dispersion of Functionalised Carbon Nanotubes. <i>Advances in Science and Technology</i> , <b>2012</b> , 79, 41-46	0.1	2
10	Electron beam sensitive LB films of fluorocarbon polymer. <i>Materials Science and Engineering C</i> , <b>2002</b> , 22, 295-299	8.3	2
9	Evolution of calcite surfaces upon thermal decomposition, characterized by electrokinetics, in-situ XRD, and SEM. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 624, 126761	5.1	2
8	Characterization of the artist's palette from the polychrome decorations of the El Bahia Palace doors (Marrakesh, Morocco). <i>Journal of Cultural Heritage</i> , <b>2018</b> , 33, 213-221	2.9	1
7	Liquid Crystalline Side Chain Polysiloxanes with 4-Cyano- and 4-Alkoxy-Stilbene Mesogenic Units. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>1997</b> , 34, 2205-2225	2.2	1
6	Poly(1-vinylindole) and some of its methyl derivatives as substrates for photorefractive materials: their synthesis, optical, and electrical characterization <b>2000</b> , 4104, 71		1
5	Stilbene-containing liquid crystalline side chain homo- and copolysiloxanes: Microphase separation and chemical modification to electroconducting materials. <i>Polymer International</i> , <b>1996</b> , 39, 37-46	3.3	1
4	Seeping plastics: Potentially harmful molecular fragments leaching out from microplastics during accelerated ageing in seawater.. <i>Water Research</i> , <b>2022</b> , 219, 118521	12.5	1
3	Soil contamination by microplastics in relation to local agricultural development as revealed by FTIR, ICP-MS and pyrolysis-GC/MS.. <i>Environmental Pollution</i> , <b>2022</b> , 303, 119016	9.3	0
2	Understanding the Source, Distribution, and Fate of Micro- and Nanoplastics in Natural Water Bodies. <i>Environmental Science and Engineering</i> , <b>2021</b> , 2167-2171	0.2	
1	Rheological Response of Polylactic Acid Dispersions in Water with Xanthan Gum.. <i>ACS Omega</i> , <b>2022</b> , 7, 12536-12548	3.9	