Silvia De La Flor

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Synthesis and characterization of new bio-based poly(acylhydrazone) vanillin vitrimers. Polymer Chemistry, 2022, 13, 1510-1519.	3.9	15
2	Electroâ€responsive shapeâ€memory composites obtained via dualâ€curing processing. Polymers for Advanced Technologies, 2022, 33, 1715-1726.	3.2	4
3	Dielectric Properties in Oriented and Unoriented Membranes Based on Poly(Epichlorohydrin-co-Ethylene Oxide) Copolymers: Part III. Polymers, 2022, 14, 1369.	4.5	1
4	Novel hybrid organic/inorganic poly(thiourethane) covalent adaptable networks. European Polymer Journal, 2022, 174, 111337.	5.4	8
5	Shape-memory actuators based on dual-curing thiol-acrylate-epoxy thermosets. EXPRESS Polymer Letters, 2021, 15, 58-71.	2.1	2
6	Dual-cured thermosets from glycydil methacrylate obtained by epoxy-amine reaction and methacrylate homopolymerization. Reactive and Functional Polymers, 2021, 159, 104822.	4.1	15
7	Actuator Behaviour of Tailored Poly(thiourethane) Shape Memory Thermosets. Polymers, 2021, 13, 1571.	4.5	4
8	Adhesive properties of thiol-acrylate-epoxy composites obtained by dual-curing procedures. International Journal of Adhesion and Adhesives, 2021, 112, 102959.	2.9	4
9	From Supramolecular Hydrogels to Multifunctional Carriers for Biologically Active Substances. International Journal of Molecular Sciences, 2021, 22, 7402.	4.1	30
10	Sequential photo-thermal curing of (meth)acrylate-epoxy thiol formulations. Polymer, 2021, 230, 124073.	3.8	4
11	Enhancement of 3D-Printable Materials by Dual-Curing Procedures. Materials, 2021, 14, 107.	2.9	15
12	Membranes for Cation Transport Based on Dendronized Poly(epichlorohydrin-co-ethylene oxide). Part 1: The Effect of Dendron Amount and Column Orientation on Copolymer Mobility. Polymers, 2021, 13, 3532.	4.5	4
13	A new class of vitrimers based on aliphatic poly(thiourethane) networks with shape memory and permanent shape reconfiguration. European Polymer Journal, 2020, 122, 109361.	5.4	53
14	Recyclable Organocatalyzed Poly(Thiourethane) Covalent Adaptable Networks. Polymers, 2020, 12, 2913.	4.5	21
15	The Use of Click-Type Reactions in the Preparation of Thermosets. Polymers, 2020, 12, 1084.	4.5	24
16	Recyclable poly(thiourethane) vitrimers with high Tg. Influence of the isocyanate structure. Reactive and Functional Polymers, 2020, 151, 104574.	4.1	43
17	Bio-Based Epoxy Shape-Memory Thermosets from Triglycidyl Phloroglucinol. Polymers, 2020, 12, 542.	4.5	13
18	Testing the Reliability of Flexible MOX Gas Sensors under Strain. Proceedings (mdpi), 2019, 14, .	0.2	1

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19	Fully renewable thermosets based on bis-eugenol prepared by thiol-click chemistry. Reactive and Functional Polymers, 2019, 136, 153-166.	4.1	29
20	Detecting NiTi two-way shape memory effect based on microstructural and macromechanical parameters. Materials Science and Technology, 2019, 35, 273-279.	1.6	2
21	Rheological and Mechanical Characterization of Dual-Curing Thiol-Acrylate-Epoxy Thermosets for Advanced Applications. Polymers, 2019, 11, 997.	4.5	9
22	Performance of Flexible Chemoresistive Gas Sensors after Having Undergone Automated Bending Tests. Sensors, 2019, 19, 5190.	3.8	15
23	Characterization of sequential dual-curing of thiol-acrylate-epoxy systems with controlled thermal properties. European Polymer Journal, 2019, 112, 376-388.	5.4	11
24	Preparation of poly(thiourethane) thermosets by controlled thiol-isocyanate click reaction using a latent organocatalyst. Reactive and Functional Polymers, 2019, 134, 174-182.	4.1	24
25	Preparation of new biobased coatings from a triglycidyl eugenol derivative through thiol-epoxy click reaction. Progress in Organic Coatings, 2018, 114, 259-267.	3.9	46
26	Identifying the effects of heat treatment temperatures on the Ti50Ni45Cu5 alloy using dynamic mechanical analysis combined with microstructural analysis. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 712, 281-291.	5.6	11
27	Motion control in free-standing shape-memory actuators. Smart Materials and Structures, 2018, 27, 075013.	3.5	14
28	Click-based dual-curing thermosets and their applications. , 2018, , 511-541.		14
29	Thermomechanical characterization of thiol-epoxy shape memory thermosets for mechanical actuators design. AIP Conference Proceedings, 2018, , .	0.4	1
30	Thermal and Mechanical Characterization of EMA-TEGDMA Mixtures for Cosmetic Applications. Polymers, 2018, 10, 256.	4.5	5
31	Effect of Selected Thiols on Cross-Linking of Acrylated Epoxidized Soybean Oil and Properties of Resulting Polymers. Polymers, 2018, 10, 439.	4.5	22
32	Quantitative analysis of the microstructure in NiTi wires by Synchrotron X-ray diffraction: An approach to the cause of the Two Way Shape Memory Effect. Journal of Alloys and Compounds, 2017, 712, 833-847.	5.5	5
33	Hyperbranchedâ€modified epoxy thermosets: Enhancement of thermomechanical and shapeâ€memory performances. Journal of Applied Polymer Science, 2017, 134, .	2.6	11
34	New understanding of the shape-memory response in thiol-epoxy click systems: towards controlling the recovery process. Journal of Materials Science, 2017, 52, 1625-1638.	3.7	16
35	Thermally-triggered free-standing shape-memory actuators. European Polymer Journal, 2017, 97, 241-252.	5.4	29
36	Synthesis and Characterization of Liquid-Crystalline Networks: Toward Autonomous Shape-Memory Actuation. Journal of Physical Chemistry C, 2017, 121, 22403-22414.	3.1	26

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37	New bio-based materials obtained by thiol-ene/thiol-epoxy dual curing click procedures from eugenol derivates. European Polymer Journal, 2017, 93, 530-544.	5.4	49
38	Phenomenological characterization of sequential dual-curing of off-stoichiometric "thiol-epoxy― systems: Towards applicability. Materials and Design, 2017, 113, 116-127.	7.0	29
39	An experimental approach to the thermomechanical characterization of a NiTiCu shape memory alloy using strain gauges. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2017, 231, 113-121.	1.1	1
40	Network structure dependence on unconstrained isothermal-recovery processes for shape-memory thiol-epoxy "click―systems. Mechanics of Time-Dependent Materials, 2017, 21, 133-149.	4.4	9
41	Epoxy-Based Shape-Memory Actuators Obtained via Dual-Curing of Off-Stoichiometric "Thiol–Epoxy― Mixtures. Polymers, 2017, 9, 113.	4.5	36
42	Laboratory 3.0: Manufacturing technologies laboratory virtualization with a student-centred methodology. Journal of Technology and Science Education, 2017, 7, 184.	1.2	4
43	Recovery stress and work output in hyperbranched poly(ethyleneimine)â€modified shapeâ€memory epoxy polymers. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 1002-1013.	2.1	28
44	Improving of Mechanical and Shape-Memory Properties in Hyperbranched Epoxy Shape-Memory Polymers. Shape Memory and Superelasticity, 2016, 2, 239-246.	2.2	12
45	Learning/training video clips: an efficient tool for improving learning outcomes in Mechanical Engineering. International Journal of Educational Technology in Higher Education, 2016, 13, .	7.6	10
46	Thermomechanical Properties and Shapeâ€Memory Behavior of Bisphenol A Diacrylateâ€Based Shapeâ€Memory Polymers. Macromolecular Chemistry and Physics, 2016, 217, 39-50.	2.2	10
47	Sequential curing of off-stoichiometric thiol–epoxy thermosets with a custom-tailored structure. Polymer Chemistry, 2016, 7, 2280-2290.	3.9	96
48	Influence of Heat Treatment on Internal Friction Spectrum in NiTiCu Shape Memory Alloy. Materials Today: Proceedings, 2015, 2, S755-S758.	1.8	2
49	NiTiCu Transverse to Axial Strain Ratio Analysis During Tension/Compression Tests. Materials Today: Proceedings, 2015, 2, S759-S762.	1.8	1
50	Effect of the Network Structure and Programming Temperature on the Shape-Memory Response of Thiol-Epoxy "Click―Systems. Polymers, 2015, 7, 2146-2164.	4.5	42
51	New anhydride/epoxy thermosets based on diglycidyl ether of bisphenol A and 10-undecenoyl modified poly(ethyleneimine) with improved impact resistance. Progress in Organic Coatings, 2015, 85, 52-59.	3.9	18
52	Shapeâ€memory effect in hyperbranched poly(ethyleneimine)â€modified epoxy thermosets. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 924-933.	2.1	37
53	Effect of hydroxyl ended and end-capped multiarm star polymers on the curing process and mechanical characteristics of epoxy/anhydride thermosets. Progress in Organic Coatings, 2014, 77, 1288-1298.	3.9	20
54	Actuator Response of Improved Two-Way Memory TiNi Wires Evaluated by Weight Fraction Diagrams. Journal of Materials Engineering and Performance, 2014, 23, 1680-1694.	2.5	1

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55	Effect of Different Shape-Memory Processing Methods on the Thermomechanical Cyclic Properties of a Shape-Memory Polyurethane. Journal of Materials Engineering and Performance, 2014, 23, 2561-2566.	2.5	11
56	Influence of Holding Time on Shape Recovery in a Polyurethane Shape-Memory Polymer. Journal of Materials Engineering and Performance, 2014, 23, 2567-2573.	2.5	17
57	NiTiCu Shape Memory Alloy Characterization Through Microhardness Tests. Journal of Materials Engineering and Performance, 2014, 23, 2498-2504.	2.5	5
58	New Understanding of the Influence of the Pre-Training Phase Transformation Behaviour on the TWSME in NiTi SMA Wires. Experimental Mechanics, 2013, 53, 1415-1436.	2.0	9
59	Influence of end groups in hyperbranched polyesters used as modifiers in the characteristics of epoxy thermosets cured by adipic dihydrazide. EXPRESS Polymer Letters, 2013, 7, 595-606.	2.1	8
60	TWO-WAY SHAPE MEMORY EFFICIENCY OF THE Ti-Ni 54.4 Wt. (%) ENHANCED BY THERMAL TREATMENTS. Functional Materials Letters, 2013, 06, 1350057.	1.2	4
61	Distortions and gender-related differences in the perception of mechanical engineering in high school students. Psicothema, 2013, 25, 494-9.	0.9	1
62	New Interpretation of the Electrical Resistivity Measurements for Obtaining NiTi SMA Stress-Free Transformation Temperatures. , 2012, , .		2
63	Asymmetrical Bending Model for NiTi Shape Memory Wires: Numerical Simulations and Experimental Analysis. Strain, 2011, 47, 255-267.	2.4	24
64	Quantitative XRD analysis of the evolution of the TiNi phase transformation behaviour in relation to thermal treatments. Intermetallics, 2010, 18, 1632-1641.	3.9	21
65	R-phase influence on different two-way shape memory training methods in NiTi shape memory alloys. Journal of Alloys and Compounds, 2010, 490, 499-507.	5.5	24
66	Characterization of Phase Transformation and Shape Memory Behavior of Ti-Ni 54.4 wt(%) by Heat and Thermal Treatments. , 2010, , .		0
67	TWSME improvement by thermal cycling at zero stress in NiTi shape memory alloys. Proceedings of SPIE, 2009, , .	0.8	0
68	Effect of thermal cycling on the thermomechanical behaviour of NiTi shape memory alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 501, 197-206.	5.6	56
69	Effect of mechanical cycling on stabilizing the transformation behaviour of NiTi shape memory alloys. Journal of Alloys and Compounds, 2009, 469, 343-349.	5.5	29
70	Constitutive model of shape memory alloys: Theoretical formulation and experimental validation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 427, 112-122.	5.6	24
71	TiNiCu Martensitic Transformation Characterization at Low Stress Levels through Thermomechanical Cycling. Materials Science Forum, 0, 738-739, 367-371.	0.3	3
72	Tribological behaviour of microalloyed Cu50Zr50 alloy. Journal of Tribology, 0, , 1-22.	1.9	0