

# Silvia De La Flor

## List of Publications by Year in descending order

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72  
papers

1,194  
citations

377584

21  
h-index

488211

31  
g-index

73  
all docs

73  
docs citations

73  
times ranked

1090  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and characterization of new bio-based poly(acylhydrazone) vanillin vitrimers. <i>Polymer Chemistry</i> , 2022, 13, 1510-1519.	1.9	15
2	Electro-responsive shape-memory composites obtained via dual-curing processing. <i>Polymers for Advanced Technologies</i> , 2022, 33, 1715-1726.	1.6	4
3	Dielectric Properties in Oriented and Unoriented Membranes Based on Poly(Epichlorohydrin-co-Ethylene Oxide) Copolymers: Part III. <i>Polymers</i> , 2022, 14, 1369.	2.0	1
4	Novel hybrid organic/inorganic poly(thiourethane) covalent adaptable networks. <i>European Polymer Journal</i> , 2022, 174, 111337.	2.6	8
5	Shape-memory actuators based on dual-curing thiol-acrylate-epoxy thermosets. <i>EXPRESS Polymer Letters</i> , 2021, 15, 58-71.	1.1	2
6	Dual-cured thermosets from glycidyl methacrylate obtained by epoxy-amine reaction and methacrylate homopolymerization. <i>Reactive and Functional Polymers</i> , 2021, 159, 104822.	2.0	15
7	Actuator Behaviour of Tailored Poly(thiourethane) Shape Memory Thermosets. <i>Polymers</i> , 2021, 13, 1571.	2.0	4
8	Adhesive properties of thiol-acrylate-epoxy composites obtained by dual-curing procedures. <i>International Journal of Adhesion and Adhesives</i> , 2021, 112, 102959.	1.4	4
9	From Supramolecular Hydrogels to Multifunctional Carriers for Biologically Active Substances. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7402.	1.8	30
10	Sequential photo-thermal curing of (meth)acrylate-epoxy thiol formulations. <i>Polymer</i> , 2021, 230, 124073.	1.8	4
11	Enhancement of 3D-Printable Materials by Dual-Curing Procedures. <i>Materials</i> , 2021, 14, 107.	1.3	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. <i>Polymers</i> , 2021, 13, 3532.	2.0	4
13	A new class of vitrimers based on aliphatic poly(thiourethane) networks with shape memory and permanent shape reconfiguration. <i>European Polymer Journal</i> , 2020, 122, 109361.	2.6	53
14	Recyclable Organocatalyzed Poly(Thiourethane) Covalent Adaptable Networks. <i>Polymers</i> , 2020, 12, 2913.	2.0	21
15	The Use of Click-Type Reactions in the Preparation of Thermosets. <i>Polymers</i> , 2020, 12, 1084.	2.0	24
16	Recyclable poly(thiourethane) vitrimers with high T <sub>g</sub> . Influence of the isocyanate structure. <i>Reactive and Functional Polymers</i> , 2020, 151, 104574.	2.0	43
17	Bio-Based Epoxy Shape-Memory Thermosets from Triglycidyl Phloroglucinol. <i>Polymers</i> , 2020, 12, 542.	2.0	13
18	Testing the Reliability of Flexible MOX Gas Sensors under Strain. <i>Proceedings (mdpi)</i> , 2019, 14, .	0.2	1

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19	Fully renewable thermosets based on bis-eugenol prepared by thiol-click chemistry. <i>Reactive and Functional Polymers</i> , 2019, 136, 153-166.	2.0	29
20	Detecting NiTi two-way shape memory effect based on microstructural and macromechanical parameters. <i>Materials Science and Technology</i> , 2019, 35, 273-279.	0.8	2
21	Rheological and Mechanical Characterization of Dual-Curing Thiol-Acrylate-Epoxy Thermosets for Advanced Applications. <i>Polymers</i> , 2019, 11, 997.	2.0	9
22	Performance of Flexible Chemoresistive Gas Sensors after Having Undergone Automated Bending Tests. <i>Sensors</i> , 2019, 19, 5190.	2.1	15
23	Characterization of sequential dual-curing of thiol-acrylate-epoxy systems with controlled thermal properties. <i>European Polymer Journal</i> , 2019, 112, 376-388.	2.6	11
24	Preparation of poly(thiourethane) thermosets by controlled thiol-isocyanate click reaction using a latent organocatalyst. <i>Reactive and Functional Polymers</i> , 2019, 134, 174-182.	2.0	24
25	Preparation of new biobased coatings from a triglycidyl eugenol derivative through thiol-epoxy click reaction. <i>Progress in Organic Coatings</i> , 2018, 114, 259-267.	1.9	46
26	Identifying the effects of heat treatment temperatures on the Ti50Ni45Cu5 alloy using dynamic mechanical analysis combined with microstructural analysis. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 712, 281-291.	2.6	11
27	Motion control in free-standing shape-memory actuators. <i>Smart Materials and Structures</i> , 2018, 27, 075013.	1.8	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. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	1
30	Thermal and Mechanical Characterization of EMA-TEGDMA Mixtures for Cosmetic Applications. <i>Polymers</i> , 2018, 10, 256.	2.0	5
31	Effect of Selected Thiols on Cross-Linking of Acrylated Epoxidized Soybean Oil and Properties of Resulting Polymers. <i>Polymers</i> , 2018, 10, 439.	2.0	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. <i>Journal of Alloys and Compounds</i> , 2017, 712, 833-847.	2.8	5
33	Hyperbranchedâ€modified epoxy thermosets: Enhancement of thermomechanical and shapeâ€memory performances. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	11
34	New understanding of the shape-memory response in thiol-epoxy click systems: towards controlling the recovery process. <i>Journal of Materials Science</i> , 2017, 52, 1625-1638.	1.7	16
35	Thermally-triggered free-standing shape-memory actuators. <i>European Polymer Journal</i> , 2017, 97, 241-252.	2.6	29
36	Synthesis and Characterization of Liquid-Crystalline Networks: Toward Autonomous Shape-Memory Actuation. <i>Journal of Physical Chemistry C</i> , 2017, 121, 22403-22414.	1.5	26

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37	New bio-based materials obtained by thiol-ene/thiol-epoxy dual curing click procedures from eugenol derivatives. <i>European Polymer Journal</i> , 2017, 93, 530-544.	2.6	49
38	Phenomenological characterization of sequential dual-curing of off-stoichiometric "thiol-epoxy" systems: Towards applicability. <i>Materials and Design</i> , 2017, 113, 116-127.	3.3	29
39	An experimental approach to the thermomechanical characterization of a NiTiCu shape memory alloy using strain gauges. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2017, 231, 113-121.	0.7	1
40	Network structure dependence on unconstrained isothermal-recovery processes for shape-memory thiol-epoxy "click" systems. <i>Mechanics of Time-Dependent Materials</i> , 2017, 21, 133-149.	2.3	9
41	Epoxy-Based Shape-Memory Actuators Obtained via Dual-Curing of Off-Stoichiometric "Thiol" Epoxy Mixtures. <i>Polymers</i> , 2017, 9, 113.	2.0	36
42	Laboratory 3.0: Manufacturing technologies laboratory virtualization with a student-centred methodology. <i>Journal of Technology and Science Education</i> , 2017, 7, 184.	0.5	4
43	Recovery stress and work output in hyperbranched poly(ethyleneimine) modified shape memory epoxy polymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 1002-1013.	2.4	28
44	Improving of Mechanical and Shape-Memory Properties in Hyperbranched Epoxy Shape-Memory Polymers. <i>Shape Memory and Superelasticity</i> , 2016, 2, 239-246.	1.1	12
45	Learning/training video clips: an efficient tool for improving learning outcomes in Mechanical Engineering. <i>International Journal of Educational Technology in Higher Education</i> , 2016, 13, .	4.5	10
46	Thermomechanical Properties and Shape Memory Behavior of Bisphenol A Diacrylate Based Shape Memory Polymers. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 39-50.	1.1	10
47	Sequential curing of off-stoichiometric thiol epoxy thermosets with a custom-tailored structure. <i>Polymer Chemistry</i> , 2016, 7, 2280-2290.	1.9	96
48	Influence of Heat Treatment on Internal Friction Spectrum in NiTiCu Shape Memory Alloy. <i>Materials Today: Proceedings</i> , 2015, 2, S755-S758.	0.9	2
49	NiTiCu Transverse to Axial Strain Ratio Analysis During Tension/Compression Tests. <i>Materials Today: Proceedings</i> , 2015, 2, S759-S762.	0.9	1
50	Effect of the Network Structure and Programming Temperature on the Shape-Memory Response of Thiol-Epoxy "Click" Systems. <i>Polymers</i> , 2015, 7, 2146-2164.	2.0	42
51	New anhydride/epoxy thermosets based on diglycidyl ether of bisphenol A and 10-undecenoyl modified poly(ethyleneimine) with improved impact resistance. <i>Progress in Organic Coatings</i> , 2015, 85, 52-59.	1.9	18
52	Shape memory effect in hyperbranched poly(ethyleneimine) modified epoxy thermosets. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 924-933.	2.4	37
53	Effect of hydroxyl ended and end-capped multiarm star polymers on the curing process and mechanical characteristics of epoxy/anhydride thermosets. <i>Progress in Organic Coatings</i> , 2014, 77, 1288-1298.	1.9	20
54	Actuator Response of Improved Two-Way Memory TiNi Wires Evaluated by Weight Fraction Diagrams. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 1680-1694.	1.2	1

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55	Effect of Different Shape-Memory Processing Methods on the Thermomechanical Cyclic Properties of a Shape-Memory Polyurethane. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 2561-2566.	1.2	11
56	Influence of Holding Time on Shape Recovery in a Polyurethane Shape-Memory Polymer. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 2567-2573.	1.2	17
57	NiTiCu Shape Memory Alloy Characterization Through Microhardness Tests. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 2498-2504.	1.2	5
58	New Understanding of the Influence of the Pre-Training Phase Transformation Behaviour on the TWSME in NiTi SMA Wires. <i>Experimental Mechanics</i> , 2013, 53, 1415-1436.	1.1	9
59	Influence of end groups in hyperbranched polyesters used as modifiers in the characteristics of epoxy thermosets cured by adipic dihydrazide. <i>EXPRESS Polymer Letters</i> , 2013, 7, 595-606.	1.1	8
60	TWO-WAY SHAPE MEMORY EFFICIENCY OF THE Ti-Ni 54.4 Wt. (%) ENHANCED BY THERMAL TREATMENTS. <i>Functional Materials Letters</i> , 2013, 06, 1350057.	0.7	4
61	Distortions and gender-related differences in the perception of mechanical engineering in high school students. <i>Psicothema</i> , 2013, 25, 494-9.	0.7	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. <i>Strain</i> , 2011, 47, 255-267.	1.4	24
64	Quantitative XRD analysis of the evolution of the TiNi phase transformation behaviour in relation to thermal treatments. <i>Intermetallics</i> , 2010, 18, 1632-1641.	1.8	21
65	R-phase influence on different two-way shape memory training methods in NiTi shape memory alloys. <i>Journal of Alloys and Compounds</i> , 2010, 490, 499-507.	2.8	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. <i>Proceedings of SPIE</i> , 2009, , .	0.8	0
68	Effect of thermal cycling on the thermomechanical behaviour of NiTi shape memory alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 501, 197-206.	2.6	56
69	Effect of mechanical cycling on stabilizing the transformation behaviour of NiTi shape memory alloys. <i>Journal of Alloys and Compounds</i> , 2009, 469, 343-349.	2.8	29
70	Constitutive model of shape memory alloys: Theoretical formulation and experimental validation. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 427, 112-122.	2.6	24
71	TiNiCu Martensitic Transformation Characterization at Low Stress Levels through Thermomechanical Cycling. <i>Materials Science Forum</i> , 0, 738-739, 367-371.	0.3	3
72	Tribological behaviour of microalloyed Cu50Zr50 alloy. <i>Journal of Tribology</i> , 0, , 1-22.	1.0	0