

# Marco Rallini

## List of Publications by Year in descending order

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26  
papers

1,203  
citations

430874

18  
h-index

642732

23  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1234  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal degradation of phenolics and their carbon fiber derived composites: A feasible protocol to assess the heat capacity as a function of temperature through the use of common DSC and TGA analysis. <i>Polymer Degradation and Stability</i> , 2022, 195, 109793.	5.8	14
2	Characterization of Licorice Root Waste for Prospective Use as Filler in more Eco-Friendly Composite Materials. <i>Processes</i> , 2020, 8, 733.	2.8	12
3	Development of Mg-Zn-Al-CO <sub>3</sub> ternary LDH and its curability in epoxy/amine system. <i>Progress in Organic Coatings</i> , 2019, 136, 105264.	3.9	34
4	Delamination Detection in Polymeric Ablative Materials Using Pulse-Compression Thermography and Air-Coupled Ultrasound. <i>Sensors</i> , 2019, 19, 2198.	3.8	20
5	A Novel Class of Cost Effective and High Performance Composites Based on Terephthalate Salts Reinforced Polyether Ether Ketone. <i>Polymers</i> , 2019, 11, 2097.	4.5	6
6	Preparation and properties of adhesives based on phenolic resin containing lignin micro and nanoparticles: A comparative study. <i>Materials and Design</i> , 2019, 161, 55-63.	7.0	82
7	Boron based fillers as char enhancers of EPDM based heat shielding materials for SRMs: A comparative analysis. <i>Composite Structures</i> , 2018, 198, 73-83.	5.8	25
8	Hyperbranched poly(ethyleneimine) physically attached to silica nanoparticles to facilitate curing of epoxy nanocomposite coatings. <i>Progress in Organic Coatings</i> , 2018, 120, 100-109.	3.9	83
9	Thermal and ablation properties of EPDM based heat shielding materials modified with density reducer fillers. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 112, 71-80.	7.6	46
10	EPDM matrix heat shielding materials based on boron containing fillers as char promoters. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
11	Thermal and ablation resistance of syntactic foamed EPDM-based heat shielding materials. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
12	Surface Hydrophilicity of Poly(L-Lactide) Acid Polymer Film Changes the Human Adult Adipose Stem Cell Architecture. <i>Polymers</i> , 2018, 10, 140.	4.5	26
13	An Experimental Study on Static and Dynamic Strain Sensitivity of Embeddable Smart Concrete Sensors Doped with Carbon Nanotubes for SHM of Large Structures. <i>Sensors</i> , 2018, 18, 831.	3.8	71
14	Effect of boron carbide nanoparticles on the thermal stability of carbon/phenolic composites. <i>Polymer Composites</i> , 2017, 38, 1819-1827.	4.6	25
15	Microstructure and ablation behavior of an affordable and reliable nanostructured Phenolic Impregnated Carbon Ablator (PICA). <i>Polymer Degradation and Stability</i> , 2017, 141, 84-96.	5.8	65
16	Effect of liquid resol on the mechanical and thermal properties of EPDM/Kynol elastomeric heat shielding materials. <i>Polymer Engineering and Science</i> , 2017, 57, 513-520.	3.1	11
17	Multipurpose experimental characterization of smart nanocomposite cement-based materials for thermal-energy efficiency and strain-sensing capability. <i>Solar Energy Materials and Solar Cells</i> , 2017, 161, 77-88.	6.2	75
18	Strain sensitivity of carbon nanotube cement-based composites for structural health monitoring. , 2016, , .		7

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19	Effect of Wollastonite on the ablation resistance of EPDM based elastomeric heat shielding materials for solid rocket motors. <i>Polymer Degradation and Stability</i> , 2016, 130, 47-57.	5.8	57
20	Investigations on scalable fabrication procedures for self-sensing carbon nanotube cement-matrix composites for SHM applications. <i>Cement and Concrete Composites</i> , 2016, 65, 200-213.	10.7	252
21	Ablation modeling of state of the art EPDM based elastomeric heat shielding materials for solid rocket motors. <i>Computational Materials Science</i> , 2016, 111, 460-480.	3.0	39
22	Effect of alumina nanoparticles on the thermal properties of carbon fibre reinforced composites. <i>Fire and Materials</i> , 2014, 38, 339-355.	2.0	21
23	An Armadillo-Like Flexible Thermal Protection System for Inflatable Decelerators: A Novel Paradigm. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 379-390.	3.6	6
24	Effect of boron carbide nanoparticles on the fire reaction and fire resistance of carbon fiber/epoxy composites. <i>Polymer</i> , 2013, 54, 5154-5165.	3.8	48
25	EPDM based heat shielding materials for Solid Rocket Motors: A comparative study of different fibrous reinforcements. <i>Polymer Degradation and Stability</i> , 2013, 98, 2131-2139.	5.8	83
26	The role of irreversible and reversible phenomena in the piezoresistive behavior of graphene epoxy nanocomposites applied to structural health monitoring. <i>Composites Science and Technology</i> , 2013, 80, 73-79.	7.8	95