Aurelio Bifulco

List of Publications by Citations

18 papers	198 citations	9 h-index	13 g-index
22 ext. papers	356 ext. citations	4.5 avg, IF	3.02 L-index

#	Paper	IF	Citations
18	Fire and mechanical properties of DGEBA-based epoxy resin cured with a cycloaliphatic hardener: Combined action of silica, melamine and DOPO-derivative. *Materials and Design*, **2020**, 193, 108862	8.1	34
17	Silica Treatments: A Fire Retardant Strategy for Hemp Fabric/Epoxy Composites. *Polymers*, **2016**, 8,	4.5	34
16	Artificial neural network-based models for predicting the sound absorption coefficient of electrospun poly(vinyl pyrrolidone)/silica composite. *Applied Acoustics*, **2020**, 169, 107472	3.1	24
15	Water Resistant Self-Extinguishing Low Frequency Soundproofing Polyvinylpyrrolidone Based Electrospun Blankets. *Polymers*, **2019**, 11,	4.5	15
14	Forming nanostructured surfaces through Janus colloidal silica particles with nanowrinkles: A new strategy to superhydrophobicity. *Applied Surface Science*, **2019**, 465, 73-81	6.7	14
13	Non Monotonous Effects of Noncovalently Functionalized Graphene Addition on the Structure and Sound Absorption Properties of Polyvinylpyrrolidone (1300 kDa) Electrospun Mats. *Materials*, **2018**, 12,	3.5	12
12	Thermal and Fire Behavior of a Bio-Based Epoxy/Silica Hybrid Cured with Methyl Nadic Anhydride. *Polymers*, **2020**, 12,	4.5	11
11	Adsorption of Cellulase on Wrinkled Silica Nanoparticles with Enhanced Inter-Wrinkle Distance. *Nanomaterials*, **2020**, 10,	5.4	9
10	Effects of post cure treatment in the glass transformation range on the structure and fire behavior of in situ generated silica/epoxy hybrids. *Journal of Sol-Gel Science and Technology*, **2018**, 87, 156-169	2.3	9
9	Improving flame retardancy of in-situ silica-epoxy nanocomposites cured with aliphatic hardener: Combined effect of DOPO-based flame-retardant and melamine. *Composites Part C: Open Access*, **2020**, 2, 100022	1.6	7
8	Detailed Thermal, Fire, and Mechanical Study of Silicon-Modified Epoxy Resin Containing Humic Acid and Other Additives. *ACS Applied Polymer Materials*,	4.3	6
7	Structure and Bottom-up Formation Mechanism of Multisheet Silica-Based Nanoparticles Formed in an Epoxy Matrix through an Process. *Langmuir*, **2021**, 37, 8886-8893	4	5
6	Tailoring the hydrophobicity of wrinkled silica nanoparticles and of the adsorption medium as a strategy for immobilizing lipase: An efficient catalyst for biofuel production. *Microporous and Mesoporous Materials*, **2021**, 328, 111504	5.3	4
5	Recent Advances in Endocrine Disrupting Compounds Degradation through Metal Oxide-Based Nanomaterials. *Catalysts*, **2022**, 12, 289	4	3
4	A New Strategy to Produce Hemp Fibers through a Waterglass-Based Ecofriendly Process. *Materials* , **2020**, 13,	3.5	1
3	Suitability and Sustainability of Anti-Graffiti Treatments on Natural Stone Materials. *Sustainability*, **2022**, 14, 575	3.6	1
2	Electrospinning of PVP-based ternary composites containing SiO2 nanoparticles and hybrid TiO2 microparticles with adsorbed superoxide radicals. *Composites Part B: Engineering*, **2022**, 238, 109874	10	1

1	Recent advances in flame retardant epoxy systems containing non-reactive DOPO based phosphorus additives. *Polymer Degradation and Stability*, **2022**, 200, 109962	4.7	1