

Alaitz Rekondo

List of Publications by Year in descending order

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18
papers

1,999
citations

567144

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794469

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19
all docs

19
docs citations

19
times ranked

1933
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalyst-free room-temperature self-healing elastomers based on aromatic disulfide metathesis. <i>Materials Horizons</i> , 2014, 1, 237-240.	6.4	686
2	Epoxy resin with exchangeable disulfide crosslinks to obtain reprocessable, repairable and recyclable fiber-reinforced thermoset composites. <i>Materials Horizons</i> , 2016, 3, 241-247.	6.4	613
3	The processability of a poly(urea-urethane) elastomer reversibly crosslinked with aromatic disulfide bridges. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5710.	5.2	215
4	Reprocessable and recyclable crosslinked poly(urea-urethane)s based on dynamic amine/urea exchange. <i>Polymer</i> , 2018, 145, 127-136.	1.8	77
5	Dynamic sulfur chemistry as a key tool in the design of self-healing polymers. <i>Smart Materials and Structures</i> , 2016, 25, 084017.	1.8	57
6	Fully Biodegradable Biocomposites with High Chicken Feather Content. <i>Polymers</i> , 2017, 9, 593.	2.0	52
7	Room temperature self-healing power of silicone elastomers having silver nanoparticles as crosslinkers. <i>Chemical Communications</i> , 2012, 48, 8255.	2.2	48
8	Recyclable flame-retardant epoxy composites based on disulfide bonds: Flammability and recyclability. <i>Composites Communications</i> , 2021, 25, 100754.	3.3	36
9	Mixing the immiscible: blends of dynamic polymer networks. <i>RSC Advances</i> , 2015, 5, 17514-17518.	1.7	35
10	Chemical control of the aromatic disulfide exchange kinetics for tailor-made epoxy vitrimers. <i>Polymer</i> , 2022, 239, 124457.	1.8	35
11	Effect of Regioisomerism on Processability and Mechanical Properties of Amine/Urea Exchange Based Poly(urea-urethane) Vitrimers. <i>ACS Applied Polymer Materials</i> , 2019, 1, 2472-2481.	2.0	25
12	Thermoformable and recyclable CFRP pultruded profile manufactured from an epoxy vitrimer. <i>Polymer Testing</i> , 2021, 93, 106931.	2.3	25
13	The effect of matrix on shape properties of aromatic disulfide based epoxy vitrimers. <i>European Polymer Journal</i> , 2021, 148, 110362.	2.6	23
14	Improved Thermal Insulating Properties of Renewable Polyol Based Polyurethane Foams Reinforced with Chicken Feathers. <i>Polymers</i> , 2019, 11, 2002.	2.0	17
15	Build-To-Specification Vanillin and Phloroglucinol Derived Biobased Epoxy-Amine Vitrimers. <i>Polymers</i> , 2020, 12, 2645.	2.0	17
16	“Metallophilic crosslinking” to provide fast-curing and mendable poly(urethane-metallothiolate) elastomers. <i>Journal of Polymer Science Part A</i> , 2015, 53, 1061-1066.	2.5	12
17	Flexible Biocomposites with Enhanced Interfacial Compatibility Based on Keratin Fibers and Sulfur-Containing Poly(urea-urethane)s. <i>Polymers</i> , 2018, 10, 1056.	2.0	7
18	Paving the way for a wider use of composites in railway industry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 1811-1822.	2.0	2