Alaitz Ruiz de Luzuriaga

List of Publications by Year
in descending order

19 papers	2,176 citations	516710 16 h-index	794594 19 g-index
20 all docs	20 docs citations	20 times ranked	2247 citing authors

#	Article	IF	Citations
1	Chemical control of the aromatic disulfide exchange kinetics for tailor-made epoxy vitrimers. Polymer, 2022, 239, 124457.	3.8	35
2	Study into the Mechanical Properties of a New Aeronautic-Grade Epoxy-Based Carbon-Fiber-Reinforced Vitrimer. Polymers, 2022, 14, 1223.	4.5	11
3	The effect of matrix on shape properties of aromatic disulfide based epoxy vitrimers. European Polymer Journal, 2021, 148, 110362.	5.4	23
4	Recyclable flame-retardant epoxy composites based on disulfide bonds: Flammability and recyclability. Composites Communications, 2021, 25, 100754.	6.3	36
5	Effect of Regioisomerism on Processability and Mechanical Properties of Amine/Urea Exchange Based Poly(urea-urethane) Vitrimers. ACS Applied Polymer Materials, 2019, 1, 2472-2481.	4.4	25
6	Reprocessable and recyclable crosslinked poly(urea-urethane)s based on dynamic amine/urea exchange. Polymer, 2018, 145, 127-136.	3.8	77
7	Development and characterisation of dynamic bi-phase (epoxy/PU) composites for enhanced impact resistance. Composites Part B: Engineering, 2018, 155, 122-131.	12.0	18
8	Transient mechanochromism in epoxy vitrimer composites containing aromatic disulfide crosslinks. Journal of Materials Chemistry C, 2016, 4, 6220-6223.	5.5	125
9	Epoxy resin with exchangeable disulfide crosslinks to obtain reprocessable, repairable and recyclable fiber-reinforced thermoset composites. Materials Horizons, 2016, 3, 241-247.	12.2	613
10	â€œMetallophilic crosslinkingâ€•to provide fast-curing and mendable poly(urethane-metallothiolate) elastomers. Journal of Polymer Science Part A, 2015, 53, 1061-1066.	2.3	12
11	Mixing the immiscible: blends of dynamic polymer networks. RSC Advances, 2015, 5, 17514-17518.	3.6	35
12	Catalyst-free room-temperature self-healing elastomers based on aromatic disulfide metathesis. Materials Horizons, 2014, 1, 237-240.	12.2	686
13	The processability of a poly(urea-urethane) elastomer reversibly crosslinked with aromatic disulfide bridges. Journal of Materials Chemistry A, 2014, 2, 5710.	10.3	215
14	Synthesis of Pyrrolidinium-Based Poly(ionic liquid) Electrolytes with Poly(ethylene glycol) Side Chains. Chemistry of Materials, 2012, 24, 1583-1590.	6.7	131
15	Influence of Anion Exchange in Self-Assembling of Polymeric Ionic Liquid Block Copolymers. Macromolecules, 2011, 44, 4936-4941.	4.8	50
16	Design and stabilization of block copolymer micelles via phenolâ€“pyridine hydrogen-bonding interactions. Polymer, 2010, 51, 1355-1362.	3.8	14
17	Phase diagrams in compressible weakly interacting all-polymer nanocomposites. Journal of Chemical Physics, 2009, 130, 084905.	3.0	16
18	Key role of entropy in nanoparticle dispersion: polystyrene-nanoparticle/linear-polystyrene nanocomposites as a model system. Physical Chemistry Chemical Physics, 2008, 10, 650-651.	2.8	30

#	Article	IF	Citations
19	A Theoretical Investigation of Polymer-Nanoparticles as Miscibility Improvers in All-Polymer Nanocomposites. Journal of Nano Research, 0, 2, 105-114.	0.8	7