

Alaitz Ruiz de Luzuriaga

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

2,176
citations

516561

16
h-index

794469

19
g-index

20
all docs

20
docs citations

20
times ranked

2247
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 | Synthesis of Pyrrolidinium-Based Poly(ionic liquid) Electrolytes with Poly(ethylene glycol) Side Chains. <i>Chemistry of Materials</i> , 2012, 24, 1583-1590. | 3.2 | 131 |
| 5 | Transient mechanochromism in epoxy vitrimer composites containing aromatic disulfide crosslinks. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6220-6223. | 2.7 | 125 |
| 6 | Reprocessable and recyclable crosslinked poly(urea-urethane)s based on dynamic amine/urea exchange. <i>Polymer</i> , 2018, 145, 127-136. | 1.8 | 77 |
| 7 | Influence of Anion Exchange in Self-Assembling of Polymeric Ionic Liquid Block Copolymers. <i>Macromolecules</i> , 2011, 44, 4936-4941. | 2.2 | 50 |
| 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 | Key role of entropy in nanoparticle dispersion: polystyrene-nanoparticle/linear-polystyrene nanocomposites as a model system. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 650-651. | 1.3 | 30 |
| 12 | 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 |
| 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 | Development and characterisation of dynamic bi-phase (epoxy/PU) composites for enhanced impact resistance. <i>Composites Part B: Engineering</i> , 2018, 155, 122-131. | 5.9 | 18 |
| 15 | Phase diagrams in compressible weakly interacting all-polymer nanocomposites. <i>Journal of Chemical Physics</i> , 2009, 130, 084905. | 1.2 | 16 |
| 16 | Design and stabilization of block copolymer micelles via phenol-pyridine hydrogen-bonding interactions. <i>Polymer</i> , 2010, 51, 1355-1362. | 1.8 | 14 |
| 17 | “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 |
| 18 | Study into the Mechanical Properties of a New Aeronautic-Grade Epoxy-Based Carbon-Fiber-Reinforced Vitrimer. <i>Polymers</i> , 2022, 14, 1223. | 2.0 | 11 |

| # | 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 |