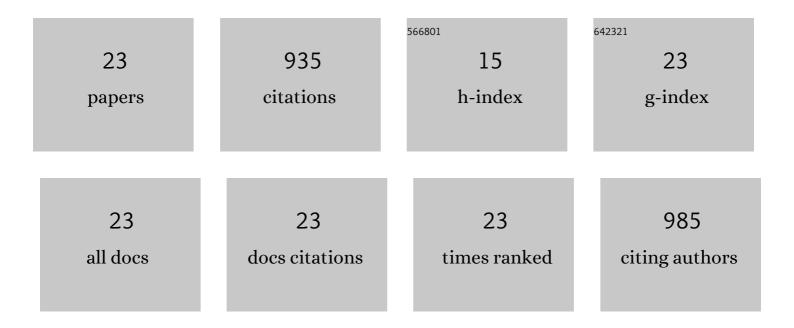
## Mostafa Yourdkhani

List of Publications by Year in descending order

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| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Rapid energy-efficient manufacturing of polymers and composites via frontal polymerization. Nature, 2018, 557, 223-227.  | 13.7 | 312       |
| 2  | Vibrations and stability of axially traveling laminated beams. Applied Mathematics and Computation, 2010, 217, 545-556.  | 1.4  | 67        |
| 3  | Fully Recyclable Metastable Polymers and Composites. Chemistry of Materials, 2019, 31, 398-406.  | 3.2  | 53        |
| 4  | Thermal, oxygen barrier and mechanical properties of polylactide–organoclay nanocomposites.<br>Composites Science and Technology, 2013, 82, 47-53.                           | 3.8  | 52        |
| 5  | Frontal polymerization of unidirectional carbon-fiber-reinforced composites. Composites Part A:<br>Applied Science and Manufacturing, 2020, 130, 105689.                     | 3.8  | 45        |
| 6  | 3D Printing of Short-Carbon-Fiber-Reinforced Thermoset Polymer Composites via Frontal<br>Polymerization. ACS Applied Materials & Interfaces, 2022, 14, 16694-16702.          | 4.0  | 44        |
| 7  | Multiscale mechanics and optimization of gastropod shells. Journal of Bionic Engineering, 2011, 8, 357-368.  | 2.7  | 37        |
| 8  | Carbon nanotube-reinforced carbon fibre-epoxy composites manufactured by resin film infusion.<br>Composites Science and Technology, 2018, 166, 169-175.                      | 3.8  | 35        |
| 9  | Quantitative Dispersion Analysis of Inclusions in Polymer Composites. ACS Applied Materials &<br>Interfaces, 2013, 5, 35-41.   | 4.0  | 34        |
| 10 | Photothermal Initiation of Frontal Polymerization Using Carbon Nanoparticles. ACS Applied Polymer<br>Materials, 2020, 2, 4690-4696.  | 2.0  | 34        |
| 11 | Rapid synchronized fabrication of vascularized thermosets and composites. Nature Communications, 2021, 12, 2836.   | 5.8  | 30        |
| 12 | Low-Ceiling-Temperature Polymer Microcapsules with Hydrophobic Payloads via Rapid<br>Emulsion-Solvent Evaporation. ACS Applied Materials & Interfaces, 2017, 9, 20115-20123. | 4.0  | 28        |
| 13 | Nanoreinforced epoxy and adhesive joints incorporating boron nitride nanotubes. International<br>Journal of Adhesion and Adhesives, 2018, 84, 194-201.                       | 1.4  | 27        |
| 14 | A systematic study on dispersion stability of carbon nanotube-modified epoxy resins. Carbon, 2015, 81, 251-259.  | 5.4  | 25        |
| 15 | Selfâ€Regulative Direct Ink Writing of Frontally Polymerizing Thermoset Polymers. Advanced Materials<br>Technologies, 2022, 7, .   | 3.0  | 22        |
| 16 | Dispersion stability in carbon nanotube modified polymers and its effect on the fracture toughness.<br>Nanotechnology, 2012, 23, 315701.                                     | 1.3  | 17        |
| 17 | Influence of the reaction stoichiometry on the mechanical and thermal properties of SWCNT-modified epoxy composites. Nanotechnology, 2013, 24, 265701.                       | 1.3  | 13        |
| 18 | Effect of resin staging on frontal polymerization of dicyclopentadiene. Journal of Polymer Science, 2021, 59, 1732-1739.   | 2.0  | 13        |

| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Encapsulation of grape seed extract in polylactide microcapsules for sustained bioactivity and time-dependent release in dental material applications. Dental Materials, 2017, 33, 630-636. | 1.6 | 12        |
| 20 | Electrothermal Performance of Heaters Based on Laser-Induced Graphene on Aramid Fabric. ACS Omega, 2022, 7, 3746-3757.  | 1.6 | 12        |
| 21 | Efficient crossâ€section preparation method for highâ€resolution imaging of hard polymer composites with a scanning electron microscope. Journal of Microscopy, 2015, 260, 117-124.         | 0.8 | 10        |
| 22 | Fabrication of pH-responsive monodisperse microcapsules using interfacial tension of immiscible phases. Soft Matter, 2020, 16, 5139-5147.   | 1.2 | 10        |
| 23 | Proanthocyanidin encapsulation for sustained bioactivity in dentin bioadhesion: A two-year study.<br>Dental Materials, 2022, 38, 421-430.   | 1.6 | 3         |