

# Asha-Dee N Celestine

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8392830/publications.pdf>

Version: 2024-02-01

14  
papers

275  
citations

1039406

9  
h-index

1058022

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

294  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fracture-induced activation in mechanophore-linked, rubber toughened PMMA. <i>Polymer</i> , 2014, 55, 4164-4171.	1.8	84
2	Autonomic healing of PMMA via microencapsulated solvent. <i>Polymer</i> , 2015, 69, 241-248.	1.8	30
3	Moisture-induced changes in the mechanical behavior of 3D printed polymers. <i>Composites Part C: Open Access</i> , 2022, 7, 100243.	1.5	30
4	Strain and stress mapping by mechanochemical activation of spiropyran in poly(methyl methacrylate). <i>Strain</i> , 2019, 55, e12310.	1.4	25
5	Stereolithography 3D Printing of Microcapsule Catalyst-Based Self-Healing Composites. <i>ACS Applied Polymer Materials</i> , 2020, 2, 5048-5057.	2.0	25
6	Autonomic Healing of Acrylic Bone Cement. <i>Advanced Healthcare Materials</i> , 2015, 4, 202-207.	3.9	20
7	Mechanical performance of vinyl ester-polyurethane interpenetrating polymer network composites. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50411.	1.3	14
8	Mechanical characterization and modeling stress relaxation behavior of acrylic-polyurethane-based graft-interpenetrating polymer networks. <i>Polymer Engineering and Science</i> , 2021, 61, 1299-1309.	1.5	13
9	Experimental and numerical investigation into mechanical degradation of polymers. <i>Composites Part B: Engineering</i> , 2020, 201, 108369.	5.9	12
10	Fused Filament Fabrication 3D Printing of Self-Healing High-Impact Polystyrene Thermoplastic Polymer Composites Utilizing Eco-friendly Solvent-Filled Microcapsules. <i>ACS Applied Polymer Materials</i> , 2022, 4, 3324-3332.	2.0	7
11	High-fracture-toughness acrylic-polyurethane-based graft-interpenetrating polymer networks for transparent applications. <i>Polymer International</i> , 2021, 70, 636-647.	1.6	6
12	Self-healing in high impact polystyrene (HIPS) composites via embedded non-toxic solvent-filled microcapsules. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51463.	1.3	5
13	Self-Healing Materials: Autonomic Healing of Acrylic Bone Cement ( <i>Adv. Healthcare Mater.</i> 2/2015). <i>Advanced Healthcare Materials</i> , 2015, 4, 170-170.	3.9	2
14	Hydrogen-Based Energy Storage Systems for Large-Scale Data Center Applications. <i>Sustainability</i> , 2021, 13, 12654.	1.6	2