# Annalisa Chiappone

## List of Publications by Citations



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| 54 papers | 1,286 citations | 20 h-index | 34 g-index |
| 57 ext. papers | 1,674 ext. citations | 6.5 avg, IF | 4.92 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 54 | 3D Printing of Conductive Complex Structures with In Situ Generation of Silver Nanoparticles. *Advanced Materials*, **2016**, 28, 3712-7 | 24 | 142 |
| 53 | Development of 3D printable formulations containing CNT with enhanced electrical properties. *Polymer*, **2017**, 109, 246-253 | 3.9 | 101 |
| 52 | Silver nanoparticle ink technology: state of the art. *Nanotechnology, Science and Applications*, **2016**, 9, 1-13 | 3.9 | 100 |
| 51 | Study of graphene oxide-based 3D printable composites: Effect of the in situ reduction. *Composites Part B: Engineering*, **2017**, 124, 9-15 | 10 | 73 |
| 50 | 3D printable light-responsive polymers. *Materials Horizons*, **2017**, 4, 396-401 | 14.4 | 68 |
| 49 | All-in-One Cellulose Nanocrystals for 3D Printing of Nanocomposite Hydrogels. *Angewandte Chemie - International Edition*, **2018**, 57, 2353-2356 | 16.4 | 68 |
| 48 | Structure–Performance Correlation of Nanocellulose-Based Polymer Electrolytes for Efficient Quasi-solid DSSCs. *ChemElectroChem*, **2014**, 1, 1350-1358 | 4.3 | 60 |
| 47 | 3D Printed PEG-Based Hybrid Nanocomposites Obtained by Sol-Gel Technique. *ACS Applied Materials & Interfaces*, **2016**, 8, 5627-33 | 9.5 | 59 |
| 46 | New Horizons in Cationic Photopolymerization. *Polymers*, **2018**, 10, | 4.5 | 51 |
| 45 | Polymeric 3D Printed Functional Microcantilevers for Biosensing Applications. *ACS Applied Materials & Interfaces*, **2017**, 9, 19193-19201 | 9.5 | 41 |
| 44 | Photocurable chitosan as bioink for cellularized therapies towards personalized scaffold architecture. *Bioprinting*, **2020**, 18, e00082 | 7 | 36 |
| 43 | Functional 3D printing: Approaches and bioapplications. *Biosensors and Bioelectronics*, **2021**, 175, 112849 | 11.8 | 32 |
| 42 | Ionic liquid-enhanced soft resistive switching devices. *RSC Advances*, **2016**, 6, 94128-94138 | 3.7 | 28 |
| 41 | Spin-coated silver nanocomposite resistive switching devices. *Microelectronic Engineering*, **2017**, 168, 27-31 | 2.5 | 26 |
| 40 | 3D-printed self-healing hydrogels via Digital Light Processing. *Nature Communications*, **2021**, 12, 2462 | 17.4 | 25 |
| 39 | DLP 3D Printing Meets Lignocellulosic Biopolymers: Carboxymethyl Cellulose Inks for 3D Biocompatible Hydrogels. *Polymers*, **2020**, 12, | 4.5 | 24 |
| 38 | Three-Dimensional Printed Photoluminescent Polymeric Waveguides. *ACS Applied Materials & Interfaces*, **2018**, 10, 39319-39326 | 9.5 | 24 |

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| 37 | Light Processable Starch Hydrogels. *Polymers*, **2020**, 12, | 4.5 | 21 |
| 36 | Thiol-ene chemistry for 3D printing: exploiting an off-stoichiometric route for selective functionalization of 3D objects. *Polymer Chemistry*, **2019**, 10, 5950-5958 | 4.9 | 20 |
| 35 | Materials Testing for the Development of Biocompatible Devices through Vat-Polymerization 3D Printing. *Nanomaterials*, **2020**, 10, | 5.4 | 20 |
| 34 | A modular 3D printed lab-on-a-chip for early cancer detection. *Lab on A Chip*, **2020**, 20, 665-674 | 7.2 | 19 |
| 33 | Photoinduced chitosan-PEG hydrogels with long-term antibacterial properties. *Journal of Materials Chemistry B*, **2019**, 7, 6526-6538 | 7.3 | 19 |
| 32 | WORM and bipolar inkjet printed resistive switching devices based on silver nanocomposites. *Flexible and Printed Electronics*, **2017**, 2, 024002 | 3.1 | 18 |
| 31 | 3D Printing of PDMS-Like Polymer Nanocomposites with Enhanced Thermal Conductivity: Boron Nitride Based Photocuring System. *Nanomaterials*, **2021**, 11, | 5.4 | 17 |
| 30 | Resistive Switching in Polymer Nanocomposites by Matrix-Controlled in Situ Nanoparticles Generation. *Journal of Physical Chemistry C*, **2017**, 121, 14285-14295 | 3.8 | 16 |
| 29 | Study of Ink-Jet Printable Vinyl Ether-Graphene UV-Curable Formulations. *Macromolecular Materials and Engineering*, **2015**, 300, 340-345 | 3.9 | 16 |
| 28 | Fabrication and Functionalization of 3D Printed Polydimethylsiloxane-Based Microfluidic Devices Obtained through Digital Light Processing. *Advanced Materials Technologies*, **2020**, 5, 2000374 | 6.8 | 14 |
| 27 | CO2 permeability control in 3D printed light responsive structures. *Applied Materials Today*, **2020**, 18, 100470 | 6.6 | 13 |
| 26 | In situ generation of silver nanoparticles in PVDF for the development of resistive switching devices. *Applied Surface Science*, **2018**, 455, 418-424 | 6.7 | 12 |
| 25 | DLP 4D-Printing of Remotely, Modularly, and Selectively Controllable Shape Memory Polymer Nanocomposites Embedding Carbon Nanotubes. *Advanced Functional Materials*,2106774 | 15.6 | 12 |
| 24 | Dual step irradiation process for in situ generation and patterning of silver nanoparticles in a photocured film. *RSC Advances*, **2016**, 6, 14832-14843 | 3.7 | 10 |
| 23 | Self-standing polymer-functionalized reduced graphene oxide papers obtained via a UV-process. *RSC Advances*, **2015**, 5, 95805-95812 | 3.7 | 10 |
| 22 | Multiacrylated Cyclodextrin: A Bio-Derived Photocurable Macromer for VAT 3D Printing. *Macromolecular Materials and Engineering*, **2020**, 305, 2000350 | 3.9 | 10 |
| 21 | Flexible and high performing polymer electrolytes obtained by UV-induced polymer-cellulose grafting. *RSC Advances*, **2014**, 4, 40873-40881 | 3.7 | 9 |
| 20 | Performance comparison of hybrid resistive switching devices based on solution-processable nanocomposites. *Applied Surface Science*, **2018**, 443, 475-483 | 6.7 | 8 |

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| 19 | Study of benzophenone grafting on reduced graphene oxide by unconventional techniques. *New Journal of Chemistry*, **2015**, 39, 2966-2972 | 3.6 | 7 |
| 18 | Purpurin derivatives as visible-light photosensitizers for 3D printing and valuable biological applications. *Polymer Chemistry*, **2021**, 12, 2627-2642 | 4.9 | 7 |
| 17 | All-in-One Cellulose Nanocrystals for 3D Printing of Nanocomposite Hydrogels. *Angewandte Chemie*, **2018**, 130, 2377-2380 | 3.6 | 6 |
| 16 | 3D Printing of Cellulose Nanocrystal-Loaded Hydrogels through Rapid Fixation by Photopolymerization. *Langmuir*, **2021**, 37, 6451-6458 | 4 | 6 |
| 15 | 3D Printing: 3D Printing of Conductive Complex Structures with In Situ Generation of Silver Nanoparticles (Adv. Mater. 19/2016). *Advanced Materials*, **2016**, 28, 3711 | 24 | 6 |
| 14 | Synthesis of β-cyclodextrin substituted bis(acyl)phosphane oxide derivative (BAPO-βCyD) serving as multiple photoinitiator and crosslinking agent. *Chemical Communications*, **2020**, 56, 4828-4831 | 5.8 | 5 |
| 13 | Gelatin Type A from Porcine Skin Used as Co-Initiator in a Radical Photo-Initiating System. *Polymers*, **2019**, 11, | 4.5 | 4 |
| 12 | DLP-printable fully biobased soybean oil composites. *Polymer*, **2022**, 247, 124779 | 3.9 | 4 |
| 11 | DLP 3D printing of shape memory polymers stabilized by thermoreversible hydrogen bonding interactions. *Applied Materials Today*, **2021**, 23, 101060 | 6.6 | 3 |
| 10 | Study on the Printability through Digital Light Processing Technique of Ionic Liquids for CO Capture. *Polymers*, **2019**, 11, | 4.5 | 3 |
| 9 | Structure–Performance Correlation of Nanocellulose-Based Polymer Electrolytes for Efficient Quasi-solid DSSCs. *ChemElectroChem*, **2014**, 1, 1241-1241 | 4.3 | 2 |
| 8 | UV-Induced Radical Photo-Polymerization: A Smart Tool for Preparing Polymer Electrolyte Membranes for Energy Storage Devices. *Membranes*, **2012**, 2, 307-24 | 3.8 | 2 |
| 7 | Photocurable all-lignocellulose-derived hydrogel nanocomposites for adsorption of cationic contaminants. *Sustainable Materials and Technologies*, **2021**, 27, e00243 | 5.3 | 2 |
| 6 | Methacrylated Quinizarin Derivatives for Visible-Light Mediated Photopolymerization: Promising Applications in 3D-Printing Biosourced Materials under LED@405 nm. *ACS Applied Polymer Materials*, **2022**, 4, 210-228 | 4.3 | 2 |
| 5 | Microwave-assisted methacrylation of chitosan for 3D printable hydrogels in tissue engineering. *Materials Advances*, **2022**, 3, 514-525 | 3.3 | 1 |
| 4 | From polysaccharides to UV-curable biorenewable organo/hydrogels for methylene blue removal. *Polymer*, **2021**, 235, 124257 | 3.9 | 1 |
| 3 | Single-Step 3D Printing of Silver-Patterned Polymeric Devices for Bacteria Proliferation Control. *Macromolecular Materials and Engineering*,2100596 | 3.9 | 1 |
| 2 | Current and emerging trends in polymeric 3D printed microfluidic devices. *Additive Manufacturing*, **2022**, 102867 | 6.1 | 1 |

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| 1 | 3D printing of fully cellulose-based hydrogels by digital light processing. *Sustainable Materials and Technologies*, **2022**, e00444 | 5.3 | 0 |