# Rubina Ajdary

List of Publications by Year
in descending order



| 23 | 897 | 516710 16 | 642732 23 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 23 | 23 | 23 | 1066 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Plant Nanomaterials and Inspiration from Nature: Water Interactions and Hierarchically Structured Hydrogels. Advanced Materials, 2021, 33, e2001085. | 21.0 | 117 |
| 2 | Acetylated Nanocellulose for Single-Component Bioinks and Cell Proliferation on 3D-Printed Scaffolds. Biomacromolecules, 2019, 20, 2770-2778. | 5.4 | 81 |
| 3 | Three-Dimensional Printed Cell Culture Model Based on Spherical Colloidal Lignin Particles and Cellulose Nanofibril-Alginate Hydrogel. Biomacromolecules, 2020, 21, 1875-1885. | 5.4 | 75 |
| 4 | Low Solids Emulsion Gels Based on Nanocellulose for 3D-Printing. Biomacromolecules, 2019, 20, 635-644. | 5.4 | 68 |
| 5 | Twoâ€Phase Emulgels for Direct Ink Writing of Skinâ€Bearing Architectures. Advanced Functional Materials, 2019, 29, 1902990. | 14.9 | 60 |
| 6 | Fabrication and Characterization of Drug-Loaded Conductive Poly(glycerol) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (sebacate)/Nan Materials & Interfaces, 2020, 12, 6899-6909. | 8.0 | 57 |
| 7 | Absorbent Filaments from Cellulose Nanofibril Hydrogels through Continuous Coaxial Wet Spinning. ACS Applied Materials & Interfaces, 2018, 10, 27287-27296. | 8.0 | 55 |
| 8 | Multifunctional 3Dâ€Printed Patches for Longâ€Term Drug Release Therapies after Myocardial Infarction. Advanced Functional Materials, 2020, 30, 2003440. | 14.9 | 53 |
| 9 | Cellulose Nanofibrils Endow Phase-Change Polyethylene Glycol with Form Control and Solid-to-gel Transition for Thermal Energy Storage. ACS Applied Materials & Interfaces, 2021, 13, 6188-6200. | 8.0 | 51 |
| 10 | Direct ink writing of aloe vera/cellulose nanofibrils bio-hydrogels. Carbohydrate Polymers, 2021, 266, 118114. | 10.2 | 50 |
| 11 | Leakage-proof microencapsulation of phase change materials by emulsification with acetylated cellulose nanofibrils. Carbohydrate Polymers, 2021, 254, 117279. | 10.2 | 40 |
| 12 | Selective Laser Sintering of Lignin-Based Composites. ACS Sustainable Chemistry and Engineering, 2021, 9, 2727-2735. | 6.7 | 36 |
| 13 | Ascorbic acid-loaded polyvinyl alcohol/cellulose nanofibril hydrogels as precursors for 3D printed materials. Materials Science and Engineering C, 2021, 130, 112424. | 7.3 | 35 |
| 14 | High-resolution 3D printing of xanthan gum/nanocellulose bio-inks. International Journal of Biological Macromolecules, 2022, 209, 2020-2031. | 7.5 | 26 |
| 15 | Microfibers synthesized by wet-spinning of chitin nanomaterials: mechanical, structural and cell proliferation properties. RSC Advances, 2020, 10, 29450-29459. | 3.6 | 19 |
| 16 | Direct Ink Writing of Biocompatible Nanocellulose and Chitosan Hydrogels for Implant Mesh Matrices. ACS Polymers Au, 2022, 2, 97-107. | 4.1 | 16 |
| 17 | Hollow Filaments Synthesized by Dry-Jet Wet Spinning of Cellulose Nanofibrils: Structural Properties and Thermoregulation with Phase-Change Infills. ACS Applied Polymer Materials, 2022, 4, 2908-2916. | 4.4 | 15 |
| 18 | Pickering emulgels reinforced with hostâ€“guest supramolecular inclusion complexes for high fidelity direct ink writing. Materials Horizons, 2022, 9, 835-840. | 12.2 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Bacterial nanocellulose enables auxetic supporting implants. Carbohydrate Polymers, 2022, 284, 119198. | 10.2 | 12 |
| 20 | Cellulose dissolution in aqueous NaOHâ€“ZnO: cellulose reactivity and the role of ZnO. Cellulose, 2021, 28, 1267-1281. | 4.9 | 11 |
| 21 | 3D-Printed Thermoset Biocomposites Based on Forest Residues by Delayed Extrusion of Cold Masterbatch (DECMA). ACS Sustainable Chemistry and Engineering, 2021, 9, 13979-13987. | 6.7 | 5 |
| 22 | Plantâ€Derived Hydrogels: Plant Nanomaterials and Inspiration from Nature: Water Interactions and Hierarchically Structured Hydrogels (Adv. Mater. 28/2021). Advanced Materials, 2021, 33, 2170218. | 21.0 | 2 |
| 23 | Structured Ultraâ€Flyweight Aerogels by Interfacial Complexation: Selfâ€Assembly Enabling Multiscale Designs (Small 20/2022). Small, 2022, 18, . | 10.0 | 1 |