Alessandra Sutti

List of Publications by Year
in descending order

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29 papers	643 citations	759233 12 h-index	642732 23 g-index
29 all docs	29 docs citations	29 times ranked	1189 citing authors

#	Article	IF	Citations
1	Bulk network polymers with dynamic Bâ€“O bonds: healable and reprocessable materials. Materials Horizons, 2020, 7, 694-714.	12.2	151
2	Rapid Bayesian optimisation for synthesis of short polymer fiber materials. Scientific Reports, 2017, 7, 5683.	3.3	80
3	Fast responsive and morphologically robust thermo-responsive hydrogel nanofibres from poly(N-isopropylacrylamide) and POSS crosslinker. Soft Matter, 2011, 7, 4364.	2.7	74
4	Electrospinning of nanofibres with parallel line surface texture for improvement of nerve cell growth. Soft Matter, 2011, 7, 10812.	2.7	62
5	Inverse opal gas sensors: Zn(II)-doped tin dioxide systems for low temperature detection of pollutant gases. Sensors and Actuators B: Chemical, 2008, 130, 567-573.	7.8	40
6	Metal ion type significantly affects the morphology but not the activity of lipaseâ€“metalâ€“phosphate nanoflowers. RSC Advances, 2017, 7, 25437-25443.	3.6	28
7	Phase Transition of Poly(N-isopropylacrylamide) in Aqueous Protic Ionic Liquids: Kosmotropic versus Chaotropic Anions and Their Interaction with Water. Journal of Physical Chemistry B, 2013, 117, 8430-8435.	2.6	27
8	Three-Dimensional Tissue Scaffolds from Interbonded Poly(Îµ-Caprolactone) Fibrous Matrices with Controlled Porosity. Tissue Engineering - Part C: Methods, 2011, 17, 209-218.	2.1	25
9	Biofunctionalization of 3D Nylon 6,6 Scaffolds Using a Two-Step Surface Modification. ACS Applied Materials & Interfaces, 2012, 4, 2912-2919.	8.0	24
10	Flux-Assisted Self-Assembly of Monodisperse Colloids. Langmuir, 2003, 19, 7944-7947.	3.5	22
11	Bending and abrasion fatigue of common suture materials used in arthroscopic and open orthopedic surgery. Journal of Orthopaedic Research, 2013, 31, 132-138.	2.3	17
12	Improving the Tensile Properties of Wet Spun Silk Fibers Using Rapid Bayesian Algorithm. ACS Biomaterials Science and Engineering, 2020, 6, 3197-3207.	5.2	12
13	Shear-Enhanced Solution Precipitation: A Simple Process to Produce Short Polymeric Nanofibers. Journal of Nanoscience and Nanotechnology, 2011, 11, 8947-8952.	0.9	11
14	Norbornene chaotropic salts as low molecular mass ionic organogelators (LMIOGs). Chemical Science, 2018, 9, 5233-5241.	7.4	11
15	Synthesis and preliminary investigations into norbornane-based amphiphiles and their self-assembly. New Journal of Chemistry, 2013, 37, 1895.	2.8	9
16	Optimizing a High-Entropy System: Software-Assisted Development of Highly Hydrophobic Surfaces using an Amphiphilic Polymer. ACS Omega, 2019, 4, 15912-15922.	3.5	9
17	Thermo-responsive Hercosett/Poly(N-isopropylacrylamide) films: A new, fast, optically responsive coating. Journal of Colloid and Interface Science, 2012, 369, 231-237.	9.4	8
18	A simple and effective method to ameliorate the interfacial properties of cellulosic fibre based bio-composites using poly (ethylene glycol) based amphiphiles. European Polymer Journal, 2015, 64, 70-78.	5.4	8

#	Article	IF	Citations
19	Critical effects of polar fluorescent probes on the interaction of DHA with POPC supported lipid bilayers. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 1135-1142.	2.6	8
20	Accelerating Experimental Design by Incorporating Experimenter Hunches. , 2018, , .		6
21	Enhanced cell growth using non-woven scaffolds of multilobal fibres. Textile Reseach Journal, 2012, 82, 1371-1381.	2.2	5
22	A new way to nanostructure hydrogels: Electrospun Thermo-responsive Islands-in-the-Sea Nanofibres. Materials Research Society Symposia Proceedings, 2012, 1403, 143.	0.1	2
23	Temperature-Responsive Self-Assemblies of â€˜Kinked' Amphiphiles. Australian Journal of Chemistry, 2013, 66, 899.	0.9	2
24	Inverse Opal Structure of SnO2 and SnO2: Zn for Gas Sensing. , 0, , .		1
25	Nano-capsules of amphiphilic poly(ethylene glycol)-block-poly(bisphenol A carbonate) copolymers via thermodynamic entrapment. RSC Advances, 2016, 6, 6065-6071.	3.6	1
26	Inverse Opal Nanoassemblies: Novel Architectures for Gas Sensors The SnO2:Zn Case. Materials Research Society Symposia Proceedings, 2006, 915, 1.	0.1	0
27	Thermo-responsive PNIPAM nanofibres crosslinked by OpePOSS. Proceedings of SPIE, 2013, , .	0.8	0
28	The effect of metal ligands on the adsorption of metal coordination complexes on polystyrene nano-beads. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 577, 541-547.	4.7	0
29	Efficient Bayesian Function Optimization of Evolving Material Manufacturing Processes. ACS Omega, 2019, 4, 20571-20578.	3.5	0