

# Hannah S Leese

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

841  
citations

567281

15  
h-index

501196

28  
g-index

29  
all docs

29  
docs citations

29  
times ranked

1260  
citing authors

#	ARTICLE	IF	CITATIONS
1	High- <i>k</i> dielectric screen-printed inks for mechanical energy harvesting devices. <i>Materials Advances</i> , 2022, 3, 1780-1790.	5.4	5
2	Development of a high sensitivity RT-PCR assay for detection of SARS-CoV-2 in individual and pooled nasopharyngeal samples. <i>Scientific Reports</i> , 2022, 12, 5369.	3.3	8
3	Molecularly imprinted polymers in diagnostics: accessing analytes in biofluids. <i>Journal of Materials Chemistry B</i> , 2022, 10, 7418-7449.	5.8	31
4	Graphene-Based Nucleants for Protein Crystallization. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	4
5	Hydrogel-Forming Microneedles: Current Advancements and Future Trends. <i>Macromolecular Bioscience</i> , 2021, 21, e2000307.	4.1	160
6	Molecular diagnostics in the era of COVID-19. <i>Analytical Methods</i> , 2021, 13, 3744-3763.	2.7	10
7	Assessing the Conversion of Various Nylon Polymers in the Hydrothermal Liquefaction of Macroalgae. <i>Environments - MDPI</i> , 2021, 8, 34.	3.3	14
8	Optimization of Cortisol-Selective Molecularly Imprinted Polymers Enabled by Molecular Dynamics Simulations. <i>ACS Applied Bio Materials</i> , 2021, 4, 7243-7253.	4.6	13
9	Graphene oxide composite fibres for therapeutic fabrics. <i>JPhys Materials</i> , 2021, 4, 044010.	4.2	1
10	Co-processing of common plastics with pistachio hulls via hydrothermal liquefaction. <i>Waste Management</i> , 2020, 102, 351-361.	7.4	58
11	Valorizing Plastic-Contaminated Waste Streams through the Catalytic Hydrothermal Processing of Polypropylene with Lignocellulose. <i>ACS Omega</i> , 2020, 5, 20586-20598.	3.5	21
12	Inorganic Nanotube Mesophases Enable Strong Self-Healing Fibers. <i>ACS Nano</i> , 2020, 14, 5570-5580.	14.6	17
13	Interfacially-grafted single-walled carbon nanotube / poly (vinyl alcohol) composite fibers. <i>Carbon</i> , 2019, 146, 162-171.	10.3	28
14	Depleting Depletion: Maintaining Single-Walled Carbon Nanotube Dispersions after Graft-To Polymer Functionalization. <i>Langmuir</i> , 2018, 34, 15396-15402.	3.5	5
15	Reductive dissolution of supergrowth carbon nanotubes for tougher nanocomposites by reactive coagulation spinning. <i>Nanoscale</i> , 2017, 9, 8764-8773.	5.6	18
16	Thermochemical functionalisation of graphenes with minimal framework damage. <i>Chemical Science</i> , 2017, 8, 6149-6154.	7.4	4
17	Grafting from versus Grafting to Approaches for the Functionalization of Graphene Nanoplatelets with Poly(methyl methacrylate). <i>Macromolecules</i> , 2017, 50, 7070-7079.	4.8	58
18	Exploring Carbon Nanomaterial Diversity for Nucleation of Protein Crystals. <i>Scientific Reports</i> , 2016, 6, 20053.	3.3	23

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19	Electro-osmotic flow enhancement in carbon nanotube membranes. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150268.	3.4	8
20	Reductively PEGylated carbon nanomaterials and their use to nucleate 3D protein crystals: a comparison of dimensionality. Chemical Science, 2016, 7, 2916-2923.	7.4	40
21	Carbon nanotube membranes: From flow enhancement to permeability. Journal of Membrane Science, 2015, 475, 266-272.	8.2	90
22	Controlled hydrothermal pore reduction in anodic alumina membranes. Nanoscale, 2014, 6, 13952-13957.	5.6	4
23	Electroosmotic flow in nanoporous membranes in the region of electric double layer overlap. Microfluidics and Nanofluidics, 2014, 16, 711-719.	2.2	11
24	Wetting behaviour of hydrophilic and hydrophobic nanostructured porous anodic alumina. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 420, 53-58.	4.7	52
25	Study of Fluid and Transport Properties of Porous Anodic Aluminum Membranes by Dynamic Atomic Force Microscopy. Langmuir, 2013, 29, 8969-8977.	3.5	6
26	Sustained Frictional Instabilities on Nanodomed Surfaces: Stick-Slip Amplitude Coefficient. ACS Nano, 2013, 7, 10850-10862.	14.6	27
27	Wetting in Carbon Inorganic and Organic Nanotubes and Nanochannels. , 2013, , .		0
28	Water flow enhancement in hydrophilic nanochannels. Nanoscale, 2012, 4, 2621.	5.6	96
29	Amontonian frictional behaviour of nanostructured surfaces. Physical Chemistry Chemical Physics, 2011, 13, 9318.	2.8	29