

Hui Yu

List of Publications by Year in descending order

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28
papers

947
citations

516710

16
h-index

501196

28
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28
all docs

28
docs citations

28
times ranked

1276
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalyst-free vitrimer elastomers based on a dimer acid: robust mechanical performance, adaptability and hydrothermal recyclability. <i>Green Chemistry</i> , 2020, 22, 870-881.	9.0	124
2	PCL/PEG core/sheath fibers with controlled drug release rate fabricated on the basis of a novel combined technique. <i>International Journal of Pharmaceutics</i> , 2014, 469, 17-22.	5.2	83
3	Highly Efficient and Environmentally Friendly Fabrication of Robust, Programmable, and Biocompatible Anisotropic, All-Cellulose, Wrinkle-Patterned Hydrogels for Cell Alignment. <i>Advanced Materials</i> , 2019, 31, e1904762.	21.0	83
4	Mussel-Inspired Design of a Self-Adhesive Agent for Durable Moisture Management and Bacterial Inhibition on PET Fabric. <i>Advanced Materials</i> , 2021, 33, e2100140.	21.0	68
5	Novel porous three-dimensional nanofibrous scaffolds for accelerating wound healing. <i>Chemical Engineering Journal</i> , 2019, 369, 253-262.	12.7	67
6	Cellulose acetate nanofibers coated layer-by-layer with polyethylenimine and graphene oxide on a quartz crystal microbalance for use as a highly sensitive ammonia sensor. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 148, 263-269.	5.0	64
7	Single-Ion Conducting Double-Network Hydrogel Electrolytes for Long Cycling Zinc-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 30594-30602.	8.0	61
8	Regulation of biphasic drug release behavior by graphene oxide in polyvinyl pyrrolidone/poly(μ -caprolactone) core/sheath nanofiber mats. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 146, 63-69.	5.0	48
9	Environmentally Friendly, Durably Waterproof, and Highly Breathable Fibrous Fabrics Prepared by One-Step Fluorine-Free Waterborne Coating. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 8613-8622.	8.0	41
10	A New PAMPA Model Proposed on the Basis of a Synthetic Phospholipid Membrane. <i>PLoS ONE</i> , 2015, 10, e0116502.	2.5	40
11	Graphene oxide/polystyrene composite nanofibers on quartz crystal microbalance electrode for the ammonia detection. <i>RSC Advances</i> , 2015, 5, 40620-40627.	3.6	39
12	High-water-absorbing calcium alginate fibrous scaffold fabricated by microfluidic spinning for use in chronic wound dressings. <i>RSC Advances</i> , 2018, 8, 39463-39469.	3.6	38
13	One-step fabrication of ammonia sensor by electrospinning PS-b-PMA nanofibers on quartz crystal microbalance. <i>Sensors and Actuators B: Chemical</i> , 2014, 203, 459-464.	7.8	29
14	Injectable alginate fibrous hydrogel with a three-dimensional network structure fabricated by microfluidic spinning. <i>Composites Communications</i> , 2019, 15, 1-5.	6.3	22
15	Wearable strain sensor based on highly conductive carbon nanotube/polyurethane composite fibers. <i>Nanotechnology</i> , 2020, 31, 205701.	2.6	20
16	Dual controlled release nanomicelle-in-nanofiber system for long-term antibacterial medical dressings. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2019, 30, 64-76.	3.5	17
17	Fabrication of core/sheath PCL/PEG- β -PNIPAAm fibers as thermosensitive release carriers by a new technique combining blend electrospinning and ultraviolet-induced graft polymerization. <i>Materials Letters</i> , 2016, 164, 505-508.	2.6	16
18	Supramolecular recognition of A-tracts DNA by calix[4]carbazole. <i>Sensors and Actuators B: Chemical</i> , 2018, 259, 177-182.	7.8	13

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19	Phenylacetic acid-modified nanofibrous polystyrene membranes for use as highly sensitive ammonia sensors. <i>Sensors and Actuators B: Chemical</i> , 2015, 212, 273-277.	7.8	12
20	3D PCL/collagen nanofibrous medical dressing for one-time treatment of diabetic foot ulcers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 214, 112480.	5.0	12
21	Polymorphic calcium alginate microfibers assembled using a programmable microfluidic field for cell regulation. <i>Lab on A Chip</i> , 2020, 20, 3158-3166.	6.0	11
22	A multifunctional 3D dressing unit based on the core-shell hydrogel microfiber for diabetic foot wound healing. <i>Biomaterials Science</i> , 2022, 10, 2568-2576.	5.4	11
23	Fabrication of Novel Cellulose Acetate/Polyethylenimine/Poly(Acrylic Acid) Nanofibers/Quartz Crystal Microbalance Sensor for Ammonia Gas Detection. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 12351-12355.	0.9	9
24	Supramolecular catalytic synthesis of a novel bis(salicylaldehyde hydrazone) ligand for ratiometric recognition of AT-DNA. <i>Chemical Communications</i> , 2019, 55, 5491-5494.	4.1	7
25	Microfluidic-directed biomimetic <i>Bulbine torta</i> -like microfibers based on inhomogeneous viscosity rope-coil effect. <i>Lab on A Chip</i> , 2021, 21, 2594-2604.	6.0	5
26	Graphene Oxide as a Nanocarrier for Controlled Loading and Targeted Delivery of <i>Typhonium giganteum</i> Drugs. <i>Journal of Chemistry</i> , 2018, 2018, 1-7.	1.9	3
27	One-step synthesis of methylene-bridged bis-carbazole and evaluation of its antitumor activity and G-quadruplex DNA binding property. <i>Bioorganic Chemistry</i> , 2019, 90, 103074.	4.1	2
28	Construction and application of hybrid covalent adaptive network with non-conjugated fluorescence, self-healing and Fe ³⁺ ion sensing. <i>Journal of Materials Research and Technology</i> , 2022, 19, 1699-1710.	5.8	2