

# Aphra Agaba

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8317575/publications.pdf>

Version: 2024-02-01

14  
papers

518  
citations

686830

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1058022

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14  
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14  
docs citations

14  
times ranked

588  
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile fabrication of redox/pH dual stimuli responsive cellulose hydrogel. Carbohydrate Polymers, 2017, 176, 299-306.	5.1	86
2	High-performance textile electrodes for wearable electronics obtained by an improved in situ polymerization method. Chemical Engineering Journal, 2019, 361, 897-907.	6.6	86
3	Self-healing and injectable polysaccharide hydrogels with tunable mechanical properties. Cellulose, 2018, 25, 559-571.	2.4	58
4	Chemical crosslinking reinforced flexible cellulose nanofiber-supported cryogel. Cellulose, 2018, 25, 573-582.	2.4	53
5	Facile fabrication of thiol-modified cellulose sponges for adsorption of Hg <sup>2+</sup> from aqueous solutions. Cellulose, 2018, 25, 3025-3035.	2.4	38
6	High-performance polypyrrole coated knitted cotton fabric electrodes for wearable energy storage. Organic Electronics, 2019, 74, 59-68.	1.4	33
7	An autonomously healable, highly stretchable and cyclically compressible, wearable hydrogel as a multimodal sensor. Polymer Chemistry, 2020, 11, 1327-1336.	1.9	32
8	Transforming commercial regenerated cellulose yarns into multifunctional wearable electronic textiles. Journal of Materials Chemistry C, 2020, 8, 1309-1318.	2.7	29
9	Multi-responsive, self-healing and adhesive PVA based hydrogels induced by the ultrafast complexation of Fe <sup>3+</sup> ions. Soft Matter, 2019, 15, 7404-7411.	1.2	27
10	Enamine Approach for Versatile and Reversible Functionalization on Cellulose Related Porous Sponges. ACS Sustainable Chemistry and Engineering, 2018, 6, 9028-9036.	3.2	22
11	Mussel-inspired adhesive gelatin-polyacrylamide hydrogel wound dressing loaded with tetracycline hydrochloride to enhance complete skin regeneration. Soft Matter, 2022, 18, 662-674.	1.2	17
12	Self-healing and acidochromic polyvinyl alcohol hydrogel reinforced by regenerated cellulose. Carbohydrate Polymers, 2021, 255, 117331.	5.1	15
13	Precipitated silica agglomerates reinforced with cellulose nanofibrils as adsorbents for heavy metals. RSC Advances, 2018, 8, 33129-33137.	1.7	13
14	The effect of the degree of substitution on the solubility of cellulose acetoacetates in water: A molecular dynamics simulation and density functional theory study. Carbohydrate Research, 2020, 496, 108134.	1.1	9